Infor Business Intelligence Release Notes

10.5.0

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Contacting Infor

If you have questions about Infor products, go to the Infor Xtreme Support portal at http://www.infor.com/inforxtreme.

If we update this document after the product release, we will post the new version on this Web site. We recommend that you check this Web site periodically for updated documentation.

If you have comments about Infor documentation, contact documentation@infor.com.

Products and components

1

This Infor BI 10.5.. release includes these Infor products and components:

- Infor BI Application Studio, Application Studio WebServices, Application Studio Sharepoint Integration
- Infor BI Office Plus for Microsoft Office Excel
- Infor BI Office Plus for Microsoft Office Word
- Infor BI Office Plus for Microsoft Office PowerPoint
- Infor BI Dashboards & Infor Motion Dashboards
- Infor BI Samples including BI Best Practices Templates and Tutor models
- Infor BI Designer
- Infor BI OLAP Server
- Infor BI Repository
- Infor BI Samples
- Infor BI ImportMaster
- Infor BI DeltaMiner

The file version.txt in the installation folder on the Infor BI DVD lists all Infor BI components with their build numbers.

The user interface is available in English, German, French, Dutch, Italian, Spanish, Czech, Russian, Simplified Chinese, Japanese, Brazilian Portuguese, Danish, Norwegian, Swedish, and Polish. ImportMaster is available only in English and German. DeltaMiner is available in English, German, French, Dutch, Italian, Spanish, Portuguese and Russian.

The online help has been updated only in English. The other languages will be updated in future.

First steps

2

We recommend that you read these documents:

- *Infor _BI _Installation_Guide.pdf* in the Documentation folder on the DVD provides installation instructions. The Installation Guide also contains instructions for upgrading and migrating from previous versions.
- *Infor _BI _Platform _Support _Guide.pdf* in the Documentation folder provides details on supported and required OS software versions.
- *Infor _BI _Hardware _Recommendations _Guide.pdf* in the Documentation folder on the DVD helps you to ensure that your targeted hardware matches requirements.
- The *List of prerequisites* section of this document with details about BI software prerequisites.

New Functionality

In Infor BI 10.5.0 many new features are available. For a list of new features and What's new information, see New Functionality.

The chapters "New Functionality" for each previous version describe most of the new functionality in versions since PM 10.0.

Changed Functionality

In Infor BI 10.5.0 a few changes to current functionality have been made. For a list of these changes, see Changed Functionality.

The chapters "Changed Functionality" for each previous version describe most of the changed functionality in versions since PM 10.0.

Fixed Issues

In Infor BI 10.5.0 many issues have been fixed. For a list of fixed issues see Fixed Issues.

The chapters "Fixed Issues" for each previous version describe fixed issues in versions since 10.0.

You can download the latest patches for each Infor BI 10.5.0 product from the Infor Xtreme support Portal - http://www.infor.com/inforxtreme. The links for each product are in knowledge base article 1185383.

Known Issues

In Infor BI10.5.0 we describe some known issues and suggest workarounds where they are available. The list is not intended to be a comprehensive list of all known issues.

List of prerequisites

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These prerequisites are not installed by any Infor BI product.

If those prerequisites are not yet installed, download and install them on each machine that you plan to use. The list of prerequisites, and the locations from which they are available, are:

Infor BI	64bit and 32bit
Microsoft® .NET Framework 3.5 SP 1	This feature is installed, but might need to be enabled through Server Manager or Control Panel, depending on your operating system. Enable this feature on all client and server machines used to install any Infor BI product.
Microsoft® .NET Framework 4.5	Microsoft® .NET Framework 4.5 : http://www.microsoft.com/en-us/download/details.aspx?id=30653 Download and install on all client and server machines used to install any Infor BI product.
SQLServer2005_BC	Before you install BI Samples, install the SQL Server backward compatibility tool - SQLServer2005_BC. http://www.microsoft.com/en-us/download/details.aspx?id=20101 **Note:** This prerequisite is also required for SQL Server 2008 and SQL Server 2012.
Visual Studio 2010 Tools for Office (VSTO)	Before you install Office Plus for Microsoft Office Word and Microsoft Office PowerPoint, install Visual Studio 2010 Tools for Office Runtime on each client machine: http://www.microsoft.com/en-us/download/details.aspx?id=40790

Cross-version compatibility

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To help ensure compatibility and correct functioning, we recommend that all installed BI components are at the same service pack level.

Dashboards and Application Studio

If you want to create Infor Dashboards content connections to Application Studio WebServices, only version 10.4.1 or later is supported.

Designer

This product and all BI components with which they are used must be at the same service pack level.

Infor d/EPM 10.5.0

d/EPM version 10.5.0 cannot be used together with Infor BI version 10.5.0.

New functionality

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Platform support

Dashboards on Safari on the Mac OS
Dashboards on Safari on Mac are now supported.

BI on Chrome on the Mac OS
All Infor BI web content now supports Chrome on Mac.

Internet Explorer 11
Infor BI now supports Internet Explorer 11.

Microsoft Windows 8.1
Microsoft Windows 8.1 is now a supported platform for Application Studio, Designer, and Office Plus.

Certified RDBMS for repository
Microsoft SQL Server 2012 R2 and Oracle 12c are certified as relational database systems for Infor BI Repository.

Office Plus certification
Office Plus is certified on Microsoft Excel 2013.

Setup overwrites web.config during updates from previous versions
During installation of Dashboards and Application Studio WebServices, the web.config file is overwritten. If you use IFS authentication, or you want to change to IFS authentication, it is necessary to recreate these Web applications with the Dashboards WebExpert and the Application Studio WebServices WebExpert as appropriate.

To retain the existing name and URL you must delete the Web application from IIS before recreating it.

Product and content setups

Languages
All components are now available in Danish, Swedish, Norwegian, and Polish.

Product names
The ION prefix has been removed from product names.

Shortcuts to help files
Start menu shortcuts to the help files of individual products have been replaced by a single shortcut to Documentation on Infor Xtreme.

Windows Identity Foundation (WIF)
Installation of WIF is no longer required because it is included with Microsoft® .NET Framework 4.5, which is a prerequisite.

Visual Studio 2010 Tools for Office (VSTO)
VSTO is now a prerequisite.

OLAP Server 32bit version
OLAP Server is no longer available on 32bit Windows systems. However, the 32bit setup is delivered to enable installation of OLAP client core components.

Office Plus

Ad-hoc reports are saved to Microsoft Office Excel's .xslx format.

Office Plus for Microsoft Office Word and Office Plus for Microsoft Office PowerPoint

BI Office Plus for Microsoft Office Word and BI Office Plus for Microsoft Office PowerPoint are add-ins to Microsoft Word and Microsoft PowerPoint, which are installed by individual users on their computers. The add-ins can insert data blocks from Application Studio reports into Microsoft Word or Microsoft PowerPoint documents.

Application Studio

Integration of Infor Q&A Evolve
Q&A Evolve has been integrated into Application Studio. This provides flexible access to relational data sources for report building via DataLinks.

Multiselect
The Select Element dialog, when opened from a Select Element action, now enables you to select multiple elements. If you select multiple elements, your selection is stored as XML in the 'Action result'

variable. You can specify that the values of the multiple elements are aggregated by one of these methods:

- Sum
- Min
- Max
- Avg
- Any

Text objects
A new version of text objects has been implemented. The new version supports the use of spreadsheet formulas. This functionality can be used, for example, to display long cell notes.

Enhanced content packages
Report exports have been extended to support the export of calculations, images and all other references required by the selected reports.

Compatibility mode in charts
Compatibility mode has been removed and its options included in 'Gradients and other options' in the Format Data Series dialog . Charts which were created with compatibility mode options are automatically converted, but with these differences:

- Transparent patterns are not converted. Instead, 50% transparency is applied.
- 3D borders for plot area, legend, chart titles, and axis titles are removed.

Shared image in charts
Images shared in the repository can now be inserted into charts.

Animated portfolio charts
The Animate in Web option has been added to Portfolio charts.

Conditional formatting
Conditional formatting has been improved to indicate better which formatting is included in the conditional format.

Format painter
The Format Painter has been added to the Edit toolbar and to the Format toolbar. Use the Format Painter to apply the format of a cell to one or more other cells, without copying the cell's content. The Format Painter has two modes. In single-use mode you can apply the format of a cell to another cell or to a group of adjacent cells. In multiple-use mode, you can apply the format of a cell to multiple non-adjacent cells or to multiple, non-adjacent, groups of cells.

Export report books to Microsoft Excel
You can specify whether all the reports in the book are exported to a single Excel file, or to a separate file for each report.

Relational access to OLAP Server
Application Studio can use the XMLA interface of OLAP to send relational queries to BI OLAP. You can use this, for example, to return elements from multiple dimensions in a single hyperblock.

Custom lists
Custom lists are lists based on custom hierarchies. The columns of a relational list can be input to a custom list, which makes it possible to output all the returned columns of a relational query to a report. Any XML created with the SetProperty function can serve as input to custom lists.

Attribute support in the OLAP meta data hierarchy
The Analyzer, and Self-Service Templates for dashboard building now support attributes.

OLAP Server

File format for data models
There is a new file format for data models. Data models in the old format are automatically converted to the new format.

Internet Protocol
OLAP Server now supports IPv6.

Increased number of dimensions per cube
OLAP Server now supports 30 dimensions per cube.

Fast dimension changes
Cubes are no longer reloaded when dimensions are modified. Users can now add new data line-by-line in the relational model instead of having to create the dimensions first and then load cell data.

Web interface
OLAP Server now has a Web interface that supports SQL queries. Cubes and dimensions are presented as tables in which dimension levels, attributes, and the elements of the measure dimension are columns.

Dashboards

Favorites and recently used dashboards
In Motion Dashboards users can now maintain a list of favorite dashboards. Favorite and recently opened dashboards can be opened directly from a new, personalized, start screen.

Pinch to zoom
In Motion Dashboards users can now pinch to zoom their view of a dashboard in or out. You can close a dashboard by zooming out fully. The dashboard is added to the recently opened dashboards on the start screen.

Content search
In Motion Dashboards users can now search for dashboards and widgets.

Session expiry
Warnings that a dashboards session is about to expire are now given even if Motion Dashboards is running in the background.

Infor Motion Server environment selection
Users who work in more than one IMS environment (for example, in development and test environments) can now switch between environments in the Settings dialog of Motion Dashboards.

Dashboard title bar
The Dashboard Properties dialog now includes the Show Dashboard Title Bar option. For each dashboard you can specify whether the title of the dashboard is displayed.

Sharing the current dashboard view
In BI Dashboards, users can now select from three types of dashboard link. These control which view of the dashboard is shared. These are the links and their properties:

- Simple: opens the default view of the dashboard
- Full context: shares the current view of the dashboard
- Relative context: shares the difference between the current view and the default view.

InInfor Ming.le, a full context link is sent. In Motion Dashboards a full context link is sent if possible. But, if the URL of a full context link is too long, a relative context link is sent. If the relative context link is also too long, a simple link is sent.

Note: The restriction on the length of URLs does not apply in Infor Ming.le, in which dashboard links are not carried by URLs.

Pop-out dialogs outside widget borders
Dialogs launched from within a widget can now overflow the borders of the widget.

Import and export dashboards and folders
In BI Dashboards you can export and import dashboards and folders.

Getting started guide
Motion Dashboards now includes *Getting Started*, a graphical overview of key techniques for creating and managing dashboards.

Application Engine

while statement
BI# now supports the 'while' statement, which simplifies typical loop constructs.

Improved error handling
RaiseError with the TRY and CATCH keywords simplifies error handling.

Improved integration with Application Studio
Binding reports and processes is now easier. You can now bind actions to processes even if the version of a process is changed while the process is being imported.

Prepared SQL statements with SQLPreparedCommand
With SQLPreparedCommand, you can now use prepared SQL statements in BI#. Prepared statements improve performance and security in many processes.

You can use these BI# functions with SQLPreparedCommand objects:

- SQLPreparedCommand SQLCreatePreparedCommand(SQLConnection connection, string statement);
- int SQLExecuteNonQuery(SQLPreparedCommand command);
- SQLData SQLExecuteQuery(SQLPreparedCommand command);
- void SQLBindStringParameter(SQLPreparedCommand command, string name, string value);
- void SQLBindStringParameter(SQLPreparedCommand command, string name, string value, int size);
- void SQLBindIntegerParameter(SQLPreparedCommand command, string name, int value);
- void SQLBindIntegerParameter(SQLPreparedCommand command, string name, int value, int size);
- void SQLBindDoubleParameter(SQLPreparedCommand command, string name, double value);
- void SQLBindDoubleParameter(SQLPreparedCommand command, string name, double value, int size);
- void SQLBindDateTimeParameter(SQLPreparedCommand command, string name, DateTime value);
- void SQLBindDateTimeParameter(SQLPreparedCommand command, string name, DateTime value, int size);
- void SQLBindBooleanParameter(SQLPreparedCommand command, string name, bool value);
- void SQLBindBooleanParameter(SQLPreparedCommand command, string name, bool value, int size);

MingleConnection
Infor Ming.le™ is a social platform that helps people to communicate and collaborate. BI# now has data types and functions which enable your processes to interact easily with Infor Ming.le. These functions are currently available:

- MingleConnection MingleCreateConnection(string endpoint, string tenant, string userGUID, string accessKey, string secretKey);
- void MinglePostMessage(MingleConnection connection, string message, string privacyLevel);
- void MinglePostMessageToOtherUser(MingleConnection connection, string toUserGUID, string message, string privacyLevel);
- void MinglePostMessageToGroup(MingleConnection connection, string groupGUID, string message, string privacyLevel);
- void MinglePostMessage(MingleConnection connection, string message, IntArray userIDs, IntArray groupIDs);
- void MinglePostMessageToOtherUser(MingleConnection connection, string toUserGUID, string message, IntArray userIDs, IntArray groupIDs);
- void MinglePostMessageToGroup(MingleConnection connection, string groupGUID, string message, IntArray userIDs, IntArray groupIDs);

COM interface
Application Engine is now available via COM now and integrates with Microsoft Excel, Microsoft Word, and with Office Plus.

XMLA and MDX support
BI# now fully supports XMLA, and allows OLAP and Analysis Services to be used.

New OLAP functions for the native API
BI# offers these new OLAP functions, which are mainly for modeling OLAP structures dynamically:

- void OLAPCreateUserCube(OLAPConnection connection, string cubeName, string cubeDescription, string dimension1, string dimension2, ...);
- void OLAPCreateSystemCube(OLAPConnection connection, string cubeName, string cubeDescription, string dimension1, string dimension2, ...);
- void OLAPCreateCubeAccessControlCube(OLAPConnection connection, string cubeName, string cubeDescription, string dimension1, string dimension2, ...);
- void OLAPCreateDimensionAccessControlCube(OLAPConnection connection, string cubeName, string cubeDescription, string dimension1, string dimension2, ...);
- void OLAPDeleteCube(OLAPConnection connection, string cubeName);
- void OLAPCreateDimension(OLAPConnection connection, string dimensionName, string dimensionDescription);
- void OLAPCreateDimensionBegin(OLAPConnection, string dimensionName, string dimensionDescription);
- void OLAPCreateDimensionEnd(OLAPConnection connection);
- void OLAPAddNumericalElement(OLAPConnection connection, string elementName);
- void OLAPAddTextualElement(OLAPConnection connection, string elementName);
- void OLAPDeleteDimension(OLAPConnection connection, string dimensionName);
- void OLAPDeleteAttributeTable(OLAPConnection connection, string dimension, int tableIndex);
- void OLAPCreateAttributeTable(OLAPConnection connection, string dimension, int tableIndex);
- void OLAPCreateStringAttributeTableField(OLAPConnection connection, string dimension, int tableIndex, string attributeName, string attributeDescription);
- void OLAPCreateNumericalAttributeTableField(OLAPConnection connection, string dimension, int tableIndex, string attributeName, string attributeDescription);
- void OLAPCreateDateAttributeTableField(OLAPConnection connection, string dimension, int tableIndex, string attributeName, string attributeDescription);
- void OLAPCreateBooleanAttributeTableField(OLAPConnection connection, string dimension, int tableIndex, string attributeName, string attributeDescription);
- OLAPCube OLAPGetCube(OLAPConnection connection, string cubeName);
- OLAPDimension OLAPGetDimension(OLAPConnection connection, string dimensionName);
- OLAPElementList OLAPGetDirectChildElementList(OLAPConnection connection, string dimension, string element, bool onlyBaseElements);
- bool OLAPSplashValueDynamic(OlapConnection connection, string cubeName, double value, string mode, bool rounding, int decimals, bool doNotDeleteOnZero, StringArray reference, StringArray target);
- OlapElementList OLAPGetLevelElements(OlapConnection connection, string dimension, int level, bool onlyBaseElements);

- OlapElementList OLAPGetLevelElements(OlapConnection connection, string dimension, string element, int level, bool onlyBaseElements);

OLAP functions support up to 30 dimensions
The latest versions of OLAP Server and BI# now support operations which use up to 30 dimensions.

New DataArea filter
This new filter is OLAPDataAeaSuppressTextValues.

StringList functions
The latest BI# runtime supports additional functions for manipulating StringList objects. These StringList functions have been added:

- StringList CreateStringList();
- void Append(StringList list, string element);
- int Count(StringList list);
- string GetElementByIndex(StringList list, int index);
- StringList ConvertToStringList(StringArray x);

StringLists and arrays as sets
In the latest BI# runtime, StringList objects and arrays can now be treated as sets, as well as used for storing lists of objects. Use these functions to treat StringList objects as sets:

- bool Contains(StringList list, string element);
- bool Contains(StringArray array, string element);
- bool Contains(DoubleArray array, double element);
- bool Contains(IntArray array, int element);
- void AppendDistinct(StringList list, string element);
- void AppendDistinctStringArray array, string element);
- void AppendDistinct(DoubleArray array, double element);
- void AppendDistinct(IntArray array, int element);
- StringList MergeDistinct(StringList list1, StringList list2);

Improved Application Engine Process Editor
The Application Engine Process Editor has these improvements:

- The editor is now based on AvalonEdit.
- The editor has Import/Export functions.
- The display and sorting of processes has been improved by changes to the process and function selection dialogs.
- You can increase and decrease the font size of the BI# editor.
- Automatic code reformatting has been added.
- The search and replace dialog is more powerful.
- The workflow for testing processes has been changed to make it more convenient.

New engine version and runtime version
Engine version 3.0 and Runtime version 3.0 have been added.

New Time and Date functions

These time and date functions have been added:

- DateTime CreateDateTime(int year, int month, int day, int hour, int minute, int second);
- string GetDateAsString(DateTime dateTime, string culture);
- string GetTimeAsString(DateTime dateTime, string culture);
- double GetDurationAsDouble(DateTime start, DateTime end);
- string GetDateTimeAsString(DateTime dateTime, string format);
- string GetDateTimeAsString(DateTime dateTime, string format, string culture);
- string GetDateTimeAsSortableString(DateTime dateTime);

New string functions
These string functions have been added:

- string ToLower(string s);
- string ToUpper(string s);

New mathematical functions
These mathematical functions have been added to the BI# runtime:

- int Ceiling(double x);
- int Floor(double x);
- double Truncate(double x);
- double Atan2(double y, double x);
- double Cosh(double x);
- double Sinh(double x);
- double Tanh(double x);
- double Exp(double x);
- double LogE(double x);
- double Log10(double x);
- double Pow(double x double y);
- double IEEERemainder(double x, double y);
- bool IsNaN(double x);
- bool IsNegativeInfinity(double x);
- bool IsPositiveInfinity(double x);
- int ToInt(double x);

Application Engine Service
The Application Engine is available as a service as part of Infor BI Services.

New samples
New samples illustrate the new features.

Documentation
The documentation has been amended to describe the new features. Some parts have been reviewed and amended.

Changed functionality

6

Application Studio

Compatibility mode for charts
Compatibility mode has been removed from the **Pattern** tab of the Format Data Series dialog. Charts which were created with compatibility mode options are automatically converted, but with these differences:

- Transparent patterns are not converted. Instead, 50% transparency is applied.
- 3D borders for plot area, legend, chart titles, and axis titles are removed.

The Texture option has been removed. But if a report in which textures are specified is imported to Application Studio 10.5.0, the textures are rendered correctly.

Objects in hidden rows
If an object with the 'Only depends on cell position' property is placed in row which is then hidden, the object now remains visible. This fixes an issue which had previously been exploited by some report designers in order to hide objects. That technique still works with objects which have the 'Depends on cell size and position' property.

Application Studio WebServices

Setup overwrites web.config during updates from previous versions
During installation of Dashboards and Application Studio WebServices, the web.config file is overwritten. If you use IFS authentication, or you want to change to IFS authentication, it is necessary to recreate these Web applications with the Dashboards WebExpert and the Application Studio WebServices WebExpert as appropriate.

To retain the existing name and URL you must delete the Web application from IIS before recreating it.

Dashboards

User interface
The user interface of both Motion Dashboards and BI Dashboards has been redesigned for a better user experience, with greater focus on business data. Menu structures have been reviewed and reorganized and now include New Dashboard and Close Dashboard commands.

Copy-to feature
The Copy-to feature of Motion Dashboards has been extended to BI Dashboards. You can now copy a dashboard to a specific folder.

Size restrictions
Memory limitations of iPads restrict the size of dashboards that can be opened to 12 mega pixels. If you specify a dashboard width and height in BI Dashboards that would exceed this limit (for example, 3000 x 4000 px), a warning message is displayed. In BI Dashboards you can choose to ignore the warning but users will be unable to view the dashboard in Motion Dashboards.

IMAM
In Infor Motion Server, and e-mails sent by it, references to IONDASHBOARDS have been replaced by references to Motion Dashboards.

Office Plus

DataLinks
Support for DataLinks has been removed from Office Plus.

Recalculating ad-hoc reports
If **Recalculate ad-hoc reports automatically** is not selected in the Options dialog, press F9 to recalculate ad-hoc reports manually. Previous versions used the F5 key for manual recalculation, overriding Microsoft Excel's 'Go To' functionality.

OLAP Server

Scripts for OLAP meta data tables
The two SQL scripts which are required to create the OLAP meta data tables are now included in the OLAP Server setup. The scripts are `CreateOlapMetaData.sql` and `CreateOlapMetaDataOracle.sql` and they are installed to the 64bin folder of the OLAP installation path. For example to: `C:\Program Files\Infor\BI\OLAP\bin64 .`

Planning and Consolidation

Planning and Consolidation is no longer included in Infor Business Intelligence. The products have been renamed and form part of Infor Dynamic Enterprise Performance Management.

Licensing

Licensing has been removed and replaced by usage logging.

Known issues

7

BI platform

Chinese and Japanese versions
The Chinese and the Japanese Excel versions of Infor BI require a local operating system. Due to an Excel bug the Chinese or Japanese version ofInfor BI running on an English operating system may crash. Therefore using a local operating system (Chinese or Japanese) is recommended.

VPN connections slow setups
If a VPN connection is open when setup is launched, theInfor BISetups will take approximately 5 minutes to load. This delay occurs with older Cisco VPN client (version 5) connections, not with AnyConnect.

Product titles
After installation on Windows 8, there is a delay in displaying the Infor BI product titles.

Application Studio

No pdf printing
With Microsoft Security Update MS10-061. You cannot print to PDF from WebServices in Windows Server 2008, Windows 7, or Windows Server 2008 R2 after installing security update MS10-061. For a resolution see http://support.microsoft.com/default.aspx?scid=kb;en-US;2480118

Sharepoint integration and Infor Federation Support
Application Studio Sharepoint Integration does not yet support IFS (Infor Federation Support). Sharepoint integration still supports Windows authentication.

Browser navigation
The Back and Forward buttons of the browser cannot be used for navigation in Application Studio WebServices.

Row height when exporting to Excel
If you specify a row height which is equivalent to more than 409.5 points and export the report to Excel, the height of the row is reduced to 409.5 points in the exported report.

Self-service templates
Application Studio 10.5.0 requires updated versions of the self-service templates. Install the latest versions from: `Installation Directory>Infor>BI>Application Studio>Self Service Templates`.

Application Studio WebServices

Application Studio WebServices does not correctly detect the regional setting for List Separator. This can result in all regional settings being ignored.

If the value of "Use Client Regional Settings" in the Repository is TRUE, Application Studio WebServices detects the regional settings during log on. This should apply the date, time, and number formatting relevant to the Operating System's current locale. However, the List Separator format is correctly detected only in Microsoft Internet Explorer.

In browsers other than Internet Explorer, Application Studio WebServices always uses a comma (",") as the list separator. To avoid possible ambiguity, if the selected regional settings have the same character assigned to different separators or symbols, all regional settings are ignored.

To workaround this issue:

1. Create this registry key: `HKEY_USERS\.DEFAULT\Software\MIS AG\OlapStudio\Settings`.
2. Apply Read permission to the account which runs the WebHost.exe process.

   For anonymous authentication this is usually the ASWS user. For Windows authentication, this is normally ASWS_GROUP.

   Note: For earlier versions, it might be necessary to apply Full Control permission.
3. Create this registry entry: `(DWORD value (32bit)) LocaleSetting` and specify 1 as its value.

DPI settings

Application Studio WebServices supports only default DPI settings.

See Knowledge Base Article 1398364 for details.

Antivirus software

Issues can occur in Dashboards and Application Studio WebServices if antivirus scanning is enabled on the IIS web application folder. That is, the physical path specified in the basic settings of the sites in IIS.

By default, the path for Dashboards is `C:\Program Files (x86)\Infor\BI\Dashboards\web` and, for Application Studio WebServices, `C:\Program Files (x86)\Infor\BI\Application Studio\WebServices\`. We recommend that you disable antivirus scanning on these folders.

Office Plus

Office Plus first Start
After installation, start Office Plus once with an administrator Windows user. Otherwise normal users cannot start Office Plus.

Chinese and Japanese characters
You cannot use Chinese and Japanese characters for the names of 'Projects' and 'OLAP Permission Management'.

Because of the Chinese double-byte character problem we do not currently support Chinese characters in passwords.

DBSET2 Mode3
If using DBSET2 in additive mode (mode 3) in Office Plus, you should not use DBGETC in the same Excel workbook. This is because, based on DBGETC, the workbook will be calculated twice and the value then will be doubled. In this case use DBGET instead.

Different MS Excel Versions
MS Excel 2007 does not fully support the XLS format (see: http://msdn.microsoft.com/en-us/library/bb241279.aspx). This can lead to conflicts, especially with formatting. If you edit formula reports with both MS Excel 2007 and older versions of MS Excel, we recommend that you select XLS as the default file format for MS Excel 2007.

OLAP Administration

If Brazilian Portuguese was selected in OLAP Administration, it changes to Swedish after updating to 10.5.0. Manually change the language back to Brazilian Portuguese.

Dashboards

Bandwidth optimization
If you use the 3G network of an operator that implements bandwidth optimization and you access the dashboards server with a direct http connection, you might experience problems loading reports completely. This is because a bandwidth optimizer distributes html requests between multiple IP addresses - which cannot be mapped to the server session and which are refused for security reasons.

If this is the case, set your Infor Dashboards to https, or use a VPN connection. You can use VPN with https.

Antivirus software

Issues can occur in Dashboards and Application Studio WebServices if antivirus scanning is enabled on the IIS web application folder. That is, the physical path specified in the basic settings of the sites in IIS.

By default, the path for Dashboards is `C:\Program Files (x86)\Infor\BI\Dashboards\web` and, for Application Studio WebServices, `C:\Program Files (x86)\Infor\BI\Application Studio\WebServices\`. We recommend that you disable antivirus scanning on these folders.

Repository

Overlapping operations
Microsoft® Management Console (MMC) allows many windows to be opened for different nodes, which could lead to overlapping operations. When you perform a long-running operation (such as registering 1000 Windows users) in Repository Administration, do not start the next action - for example **Disconnect**, **Connect**, **Import**, **Export** - on the same database, unless the long-running operation has been finished or aborted. Otherwise, you will receive an exception error, and the first operation will not be completed.

Troubleshooting the Event Viewer

Application Studio WebServices users need special permissions to access the Windows Event Log, which may not be granted by default. This prevents certain events in Application Studio WebServices from being logged in the Windows Event Viewer, although logging on computer level is enabled for the Event Viewer in Repository.

A workaround is described in the Repository online help.

Designer

Scenarios as mapping type
Choosing "Scenarios" as the mapping type in Mapping Wizard results in an empty Business Entity dimension page for Step 2.

T-Codes in DataLink connections
All T-Codes used in transactions must be valid. If a transaction has a T-Code without any representation in the T-Code table, the record is not loaded toInfor BI OLAP Server.

Hierarchical Dimension Editor
Deleting parent elements with children deletes all children of the same name from other parent structures.

Assigning rules to rule groups
When using Designer to assign a rule to a rule group, make sure that both items are associated with the same cube definition. Use Administration's capabilities to change a rule group name so that the change is automatically inherited by all rules in the rule group. If Designer is used to change the rule group name, each rule must be manually associated with the new rule group

Limitations

This topic outlines known limitations.

SAP BW

In both Application Studio and Office Plus, these features are not supported:

- Writeback.
- Calculations. The Calculations folder in Database Structure is disabled.
- Filtering by caption and unique name. However, you can filter by Name, Value, Attribute & Custom MDX.
- Filtering by Attribute or Name is possible only with a String-type filter. Filtering by Wildcard, Number or Regular Expression is not supported.
- Sorting by caption and unique name. However, you can sort by Name, Value, Attribute & Custom MDX.
- MEMBER_KEY attribute. The attribute is excluded from the Attributes list in the List Designer.
- Inverted hierarchies. The Invert option in the Advanced pane of the List Designer is disabled.
- Empty element suppression.

In Office Plus, these features are also not supported:

- Calculated elements based on visual elements
- Rankings
- Exception ranges
- Presentation types other than Result
- MEMBER.CNAME, MMEMBER.ANAME, MMEMBER.MNAME, MMEMBER.NAME
- Suppression of empty and/or zero rows and/or columns

Office Plus

If you use a 64 bit version of Microsoft Office, the 64 bit version of Office Plus will be installed. The 64 bit version of Office Plus has these limitations.

- Office Plus OLAP Excel Integration is disabled.
- DataLink integration is disabled.
- UBMatrix is not available.

Safari support

With some limitations, Application Studio WebServices supports the Safari browser on devices which run iOS 6 (iPad) and on OS X (Mac).

On iOS 6, the limitations are:

- Kerberos authentication is not supported
- Cell notes and comments are not supported
- The Web user interface is not available for the Scheduled Task Manager (Microsoft Silverlight-based components are not supported by Safari).

On OS X, the limitations are:

- Safari does not support Kerberos authentication (Kerberos can be required, for example, when connecting to Analysis Services on a machine other than the Application Studio WebServices server)
- The Web user interface is not available for the Scheduled Task Manager (Microsoft Silverlight-based components are not supported by Safari).

Dashboards

Dashboards have these known limitations:

Content connections

Infor Dashboards content connections can be created only to Application Studio WebServices 10.4.1. It is not possible to connect to Application Studio WebServices 10.4.0 or earlier.

Create dashboard link

If you use a Web-based e-mail client, press Ctrl + **Send Email** in the Create Dashboard Link dialog to open your mail client in a new window.

If no standalone or Web-base e-mail client is installed or configured, Firefox prompts you to select a mail application to launch. Internet Explorer displays a message that e-mail is not properly installed. In Chrome, clicking Ctrl + **Send Email** has no effect.

UI elements in report widgets

If a UI element in a report, such as a drop-down list, is too big for the widget in which it is displayed, it is cut off by the widget border.

IFS authentication

To support single sign-on (SSO) with IFS authentication on Application Studio within Dashboards, ensure that you use this configuration:

- Dashboards IIS application uses IFS authentication.
- Application Studio WebServices IIS application uses Basic authentication.
- Any content connection authentication in Dashboards that points to this configuration of Application Studio WebServices uses Existing Connection.

Note: In this configuration, although Application Studio WebServices is configured for basic authentication, it will not be accessed from Dashboards with a basic user.

WebViews - Navigation
Infor ION Dashboards offers limited navigation in WebViews.

WebViews - Unsupported pages
Pages that cannot be framed are not supported.

WebViews - Java applets
Java applet content is not supported.

WebViews - Flash
If Internet Explorer or FireFox is used, Flash content is not supported

WebViews - Chrome
If Chrome is used, pages which use HTTP basic authentication are not supported. This is a feature of Chrome. See: http://blog.chromium.org/2011/06/new-chromium-security-features-june.html

You can work around this issue by adding `--allow-cross-origin-auth-prompt` to Chrome's command line arguments.

Safari
Dashboards are not supported on Safari.

Infor Ming.le™
Dashboards does not support Internet Explorer 8 but, if running in Infor Ming.le, Dashboards is forced into IE 8 document mode. As a result, reports do not load correctly. To work around this issue:

1. As Adminstrator, open the Infor Ming.le Property Bag Configuration tool (`All Programs>Infor Ming.le>Infor Ming.le Property Bag Configuration`).
2. Sign in using the **SPFarm** Account.
3. Select the appropriate Web Application.
4. Select the site collection in which to switch the IE document mode.
5. Click **New Property**.
6. Enter **Infor_Core_IE9CompatibilityMode_Enabled** in **Property Name** and enter **true** in the **Value** field.
7. Click **Submit**.

Previous versions

8

10.4.1

New Functionality

Platform support changes

Internet browsers
Safari for Mac OS X is now certified, with certain limits. Refer to the *Infor BI Installation Guide*.

Firefox 21 is now certified

Chrome 26 is now certified

For a complete list of supported third-party components, refer to the *Infor BI Platform Support Guide*.

Application Studio

Export to MS PowerPoint

You can now export reports to Microsoft PowerPoint .pptx format.

You can also export reports as .png or .jpg images.

Animated charts

Stacked charts and Doughnut charts now support the "Animate in Web" option.

Improved styles for on-sheet controls

On the **Properties** tab of the Object Properties dialog, a new property - Style in Web - has been implemented for list objects and command buttons.

For list objects select **Infor** or **Custom** style. For command buttons, you can select from a variety of styles, including Native Windows.

Unit conversion

In fields which contain a measurement, the unit of measurement can now be selected. For example, specify button size in centimeters, pixels, inches or points. By default, the base unit of measurement is derived from the regional settings of the operating system.

Copy and paste format of spreadsheet objects

It is no longer necessary to format the style of each button, combo box, list view or radio button list in a report. The formats of one can be pasted to other objects of the same type.

Unique string names

The string table has been amended to support unique string names.

A new function TRANSLATEUNIQUESTRING has been implemented, in addition to the existing TRANSLATESTRING.

Improvements for Dashboards

Dashboard jumps
A new action type - Jump to dashboard - has been implemented. When a report in which the action is defined is displayed in a dashboard, it enables a jump to another dashboard. Use it, for example, to jump from a summary dashboard to a detail dashboard. The action has no effect in the Application Studio client.

Jump behavior
In Infor Motion Dashboards and Infor Dashboards users can create reports from templates. The templates are Application Studio reports. For example, several reports, linked by jump actions, might be used as a report wizard in Dashboards. In this case, it is necessary for the jumps to take place within the report widget, rather than jump to a new dashboard. Jump Behavior is a new report property with three possible values: Controlled by Dashboard (default), Replace Dashboard, Replace Widget. Use Replace Widget to ensure that jumps take place within the report widget. If Replace Dashboard or Replace Widget is selected, the jump behavior cannot be specified in the dashboard.

Immediate Interaction mode
By default, Infor Motion Dashboards and Infor Dashboards users must manually switch report widgets to interaction mode in order to interact with the reports they display. But, for reports used as templates in Dashboards interaction mode should be enabled automatically. A new report property - Start Interaction after Drop - enables report designers ensure that interaction mode is enabled as soon as a report is dropped onto a dashboard.

Tuple report parameter
A new report parameter type - Tuple - has been implemented.

Self-service templates

You can now use templates to create your own widget content in Infor Dashboards and Infor Motion Dashboards. Application Studio installs a package of database-independent, self-service templates which you can import to any Application Studio report catalog.

ANY aggregation function for value filters

The ANY aggregation method has been added. This which makes it possible to create better NULL suppression filters. The ANY aggregation method works in a similar way to the ANY function in client lists.

STYLENUMBERFORMAT function

Returns the current format of a named number style format. This can be used to simplify the use of the TEXT function, which takes a number format as its second argument and which requires number formats appropriate to the current regional settings.

INITSLICERS and VALIDATESLICERS functions

Dynamic reports are reports which are not tied to a specific data structure, but which can run different data structures from different databases. They are used, for example, as templates which can be used to create reports in Infor Dashboards and Infor Motion Dashboards. Dynamic reports use XML variables to store the filters - or slicers - which users select. The INITSLICERS AND VALIDATESLICERS functions enable report designers to initialize XML variables with valid values.

Application Studio WebServices

With some limitations, Application Studio WebServices supports the Safari browser. The limitations are:

- Safari does not support Kerberos authentication (Kerberos can be required, for example, when connecting to Analysis Services on a machine other than the Application Studio WebServices server)
- The Web user interface is not available for the Scheduled Task Manager (Microsoft Silverlight-based components are not supported by Safari).

Office Plus

SAP BW variables

SAP BW variables are now supported.

ANY aggregation function for value filters

If you select two or more elements from a single hierarchy in the Data Area, you must select an aggregation function. The Aggregation function list now contains the ANY aggregation function.

Application Engine

New functions allow browsing of OLAP databases:

- List of cubes
- List of dimensions
- List of dimension elements (already available in 10.4.0)
- List of attribute tables
- List of attribute table fields and definitions.

New functions allow splashing and deletion of values on calculated elements.

New functions allow reading and writing cell comments.

New functions enable checking the existence of cubes, dimensions, and elements.

A new function makes it possible to send OLAP XML requests, and to receive responses.

New functions enable dynamic access to data in cubes in a process. This makes it possible to handle changing structures in an OLAP database.

The OLAP "Load from Source" feature can be started by a process.

New functions make it possible to write dimension attribute values.

New functions to:

- Create numerical dimension elements
- Create text dimension elements
- Delete dimension elements
- Rename dimension elements.

New functions to find and replace texts, using regular expressions.

New data types have been introduced, mainly for the new features.

An action in Application Studio can now automatically refer to the latest process version.

Automatic and manual logging can now be activated when running processes from Application Studio.

New runtime and engine versions are available:

- Runtime and engines version 1 are still available and are unchanged. Processes from 10.4.1 will work the same as in 10.4.0.
- Runtime and engines version 2 are new and include all new functions and bug fixes.

A new tool enables processes to run from the Windows command line:

Processes can be automated

Processes can be integrated in several external tools such as Microsoft Excel.

The statistical computing system "R" has been integrated.

The Process Editor has been improved:

- Errors are now underlined directly in the code

- Error messages and error handling in processes have been improved.

The Application Engine Guide has been revised.

All runtime functions are now documented in the user manual.

Many new demo processes have been created for the new features.

Dashboards

Widget communication enhancements

Parameters in WebView widgets
It is now possible to select parts of a WebView's URL and convert them to parameters for use in widget communication. This enables you to use parameters in other reports on the dashboard to drive the content displayed by the URL.

Manually create connections
Previously, if two or more widgets on a dashboard could be connected by a parameter, it was possible only to turn that parameter off or on. You can now manually connect the parameters of different widgets and remove single widgets from automatically detected connections.

Specify dynamic initial values
You can now specify one widget per connection as the one that drives the initial value on the dashboard when it is loaded.

Collaboration enhancements

Dashboard links
You can send links to a dashboard by e-mail. The format of the links varies according to whether the dashboard should be opened in Infor Motion Dashboards or Infor Dashboards. It is now possible to send links in both formats from both Dashboards applications.

E-mail screen
In Infor Motion Dashboards you can send an image of a dashboard in an e-mail with dashboard links and, optionally, annotate the image before sending.

Save to photos
In Infor Motion Dashboards you can save an image of a dashboard to the iPad photo album. Optionally you can annotate the image before saving it.

Printing from Infor Motion Dashboards
You can print dashboards to an AirPrint-enabled printer.

Integration with Infor Ming.le™
The plug-in delivered by the latest release of Infor Ming.le improves the integration of Dashboards with Infor Ming.le. Users can now share dashboard links within Infor Ming.le.

Set start screen

The ability to specify a dashboard to display when the application starts has now been added to Infor Motion Dashboards.

Reordering dashboards and folders

The ability to use drag and drop to reorder the dashboards and folders in the dashboards browser has now been added to Infor Motion Dashboards.

Refresh content

Refreshing content in the Infor Motion Dashboards content browsers has been updated. Now simply swipe down with a finger and release.

Dashboard and folder permissions

Permissions on dashboards and folders can now be administered in both Infor Motion Dashboards and Infor Dashboards.

Self-service templates

You can now use templates to create your own widget content in Infor Dashboards and Infor Motion Dashboards. Application Studio installs a package of database-independent, self-service templates which you can import to any Application Studio report catalog.

New look

Dashboards has been updated with our new white interface.

Analyzer

Infor BI Analyzer is a suite of analyses for ad-hoc browsing and data mining. The analyses are connected by context. That is, within each analysis are options to navigate to others which, as you do so, inherit the selections of the previous analysis. Analyzer is installed as a content package which can be imported into Application Studio.

Planning and Consolidation

A new feature allows the import of the structure and data from these Infor ERP systems:

- Lawson S3 v9.0.1 and 10
- SunSystems 4, 5 and 6
- SyteLine 7
- SyteLine 8 XA AM 7.8 and 9.0

Product and content setups

Software tags
Software Identification Tags have been implemented to uniquely identify each installed product for the purposes of software inventory and asset management. For each installed product, an XML-based SWIDTAG is created and installed to:

- `..\Program Files (x86)\Infor\BI`
- `..\ProgramData`

OLAP

Load From Source

The relational database from which the OLAP database is loaded has been updated for both Oracle and Microsoft SQL Server. In several fields subqueries can be now be used in place of table names.

Load From Source - Incremental
OLAP Server allows the loading of data incrementally from a relational source directly. The range can be defined by LastLoadedVersion and NewestVersionToLoad

Flexible Hosting
With Flexible Hosting a set of OLAP Server instances can be hosted on a cluster of machines under control of a single OLAP Server Communications Manager. An interface is provided to allow administrators to start and shut down server instances on any machine in the cluster. Clients are unaware of which machine their server instance is running.

Changed Functionality

Product and content setups

Prerequisites setup

A setup file to install Infor BI prerequisites is no longer supplied. All Infor BI products will run on the certified Operating Systems after installation or manual activation of a short list of prerequisites. Infor BI product setups give a warning message if a software prerequisite is not found.

See "List of prerequisites" for a list of the prerequisites that are required and not automatically provided by the Operating System, and the locations from which they can be downloaded.

OLAP

Memory consumption for crossjoins
A significant reduction of memory consumption and time required by large cross-joins has been achieved.

Slow report loading after migration
After migrating from 10.3.2 to 10.4.1 the time taken to open Application Studio reports might significantly increase. This has been resolved.

Office Plus

Asynchronous formulas are enabled by default for Microsoft Excel 2010 and higher.

Application Studio WebServices

The WebServices user interface has been reviewed and updated.

Fixed Issues

Application Studio

KBA	Description	Category	Incident ID
1381663	The order of dimensions has changed in the patch releases 10.3.2.203, 213 and 217. Due to this WBC formulas do not work.	FIXED	6466018
1382582	There is an issue with the connection to an SAP BW database system. In some cases a HTML redirect error message appears.	FIXED	6426600
1379065	The pick list information of a global server list gets lost when jumping to another report.	FIXED	6445143
1377014	Exporting a report to Excel ".xlsx" fails when using a hyperblock with a RWDB formula.	FIXED	6462195, 6426160
1374073	A connection to a CPM 10.4 or 10.3.2 relational database fails when using the Infor CPM Applications Authentication System. The error message is: "XMLA error : Error creating schema rowset xml. Error occurred in getting cubes."	FIXED	6452381, 6410026, 6366375
n.a.	Changing a reports unique name makes jump actions on such a report invalid. When fixing the target report input	FIXED	n.a.

	in the action definition dialog all parameters from the target report still remain invalid. This should be fixed automatically when the target report input is fixed. Remark: There are some specific scenarios for which this behavior cannot be fixed with reasonable effort (e.g. importing a report from XML with a jump action to a different project).		
n.a.	A pasted cell with conditional format does not work because the references are not adjusted automatically.	FIXED	n.a.
n.a.	Min/Max for spark line grouping does not work correctly.	FIXED	n.a.
n.a.	Write back to a DSConnector alias does not work.	FIXED	n.a.
n.a.	there is an issue with map charts when creating a "global" action from latitude and longitude source by defining an action in the latitude cell.	FIXED	n.a.
n.a.	An ROC formula with access to an SAP BW database does not work when a parent cube contains mandatory SAP variables.	FIXED	n.a.
n.a.	In a chart is displayed a #REF error when the data is received from a hyperblock which doesn't contain data.	FIXED	n.a.
n.a.	There are performance issues with connection to a SAP BW database. Remark: The improvements concern the following areas. Caching of SAP variables , caching of member caption and unique name, caching hierarchy calculation in preview pane, caching structure selection hierarchy calculation, selection change in data space filter. Except for the first area the improvements concern all database providers and not only SAP BW.	FIXED	n.a.
n.a.	For a pin chart (map charts) there is no info window containing user defined text created if one cell which contains a location label is empty.	FIXED	n.a.
1133844, 1387089	There is an error message when opening "Chose Account" in the "Group Account Analisis" report of Infor BI Consolidation.	FIXED	6461821
1379552	There is an issue with the connection to a CPM database.	FIXED	6449061
n.a.	The registry key for overwriting locale settings is opened with read/write permission while read would be sufficient.	FIXED	n.a.
1388343	There is an issue with enabling/disabling the version history when the report catalog is shown.	FIXED	6524433
655736, 1360345, 1390722	For a specific relational hyperblock there is an unhandled exception when trying to edit the hyperblock.	FIXED	6608426, 6546231

1377520	Attributes aren't displayed correctly in parent children hierarchies for Analysis Services cubes.	FIXED	6368200
1384945	There are some issues with the export to Excel feature.	FIXED	6469224
1133844, 1388163	There is an issue with the display of POVs.	FIXED	6524173
n.a.	There is an issue with variables in relational lists.	FIXED	n.a.
n.a.	It is not possible to change the default value of the ConnectionTimeout and CommandTimeout of aliases.	FIXED	n.a.
1387150	There is an issue with the connection to a CPM 10.1.8 database.	FIXED	6535058, 6527989, 6516940

Application Studio WebServices

KBA	Description	Category	Incident ID
1133844,1376298	In some cases characters from cell texts are removed when a column is not wide enough.	FIXED	6402444
1378593	A pick list referring to a variable global list does not work.	FIXED	6426500
1378566	Changing the password throws an error message “Object reference not set to an instance of an object.”.	FIXED	6436634
1358446	In a specific environment there is no loading icon while a report is being loaded.	FIXED	6244086
n.a.	Dotted are different in charts and animated charts.	FIXED	n.a.
1390982	A session is terminated when a user with a lot of OLAP roles tries to open reports.	FIXED	6447143
1392863	For a specific scenario changing a selection of a combo box leads to a crash.	FIXED	6624295, 6607208, 6558671, 6557759, 6527064
1388135	There are backward compatibility issues with the Direct Link.	FIXED	6578881, 6515795

Office Plus

KBA	Description	Category	Incident ID

1382582	There is an issue with the connection to an SAP BW database system. In some cases a HTML redirect error message appears.	FIXED	6426600
n.a.	There are performance issues with connection to a SAP BW database. Remark: The improvements concern the following areas. Caching of SAP variables, caching of member caption and unique name, caching hierarchy calculation in preview pane, caching structure selection hierarchy calculation, selection change in data space filter. Except for the first area the improvements concern all database providers and not only SAP BW.	FIXED	n.a.
1360442	The Windows group policy concerning the visibility of drives is not handled correctly in a Citrix environment.	FIXED	6330153, 6180437, 6148225
n.a.	In a specific scenario write back formulas are overwritten with write back.	FIXED	n.a.
n.a.	Excel crashes when pressing Enter after a cell was copied with Ctrl-Ins.	FIXED	n.a.
n.a.	The MDX.Set.Pick formula does not work correctly.	FIXED	n.a.
n.a.	After some search operations the MMember.CName throws a parser error message.	FIXED	n.a.
n.a.	In some cases ranking leads to a crash.	FIXED	n.a.
n.a.	In some scenarios clicking the safe button leads to an unnecessary message before opening the save dialog.	FIXED	n.a.
n.a.	For some unsupported write back scenarios message boxes are missing.	FIXED	n.a.
1390645	The command "Windows("Mappe7.xlsx").visible = TRUE" causes an error.	FIXED	6537471
1389859	In some scenarios in the formula wizard for Alea formulas the attribute is displayed instead of the element.	FIXED	6537936
1389802	In the DBGETC Formula Wizard the position of the measure dimension in the order of the dimensions is not correct for some scenarios.	FIXED	6537994
1141885	Imported rules cannot be edited when the rule was disabled before exporting it as a txt-file.	FIXED	5354796
1386981	Concerning the VBA function Workbooks.activate there is a different behavior between 10.3 and 10.4.	FIXED	6499027

n.a.	A setup feature ("Client Core Components (64-bit)") is needed to deploy the 64-bit client core files plus all needed dependencies: Mis.Alea.ClientSupport64.dll, Mis.Alea.COSConnector64.dll.	IMPLE-MENTED	n.a.
1387931	Excel array formulas cannot be created, modified or copied.	FIXED	6516324
n.a.	For a specific scenario there is an issue with a circular reference.	FIXED	n.a.

10.4

New Functionality

Platform support changes

Operating systems
Windows Server 2012 and Windows 8 are now supported. Windows XP, Windows Vista, and Windows Server 2008 are no longer supported.

OLAP Server
OLAP Server 32bit only for demo purposes on 32 bit Windows

Database servers
SQL Server 2012 Service Pack 1 is now supported

Microsoft SQL Server 2005 is no longer supported

Oracle 10 is no longer supported.

Excel 2003
Excel 2003 is no longer supported.

Internet browsers
Internet Explorer 10 is now certified

Internet Explorer 8 is no longer supported

FireFox 16 is now certified

Chrome 22 is now certified

For a complete list of supported third-party components, refer to the *Infor BI Platform Support Guide*.

Application Studio

Export formats
There is a new export format, compatible with MS Excel 2007 and MS Excel 2010. The available export formats are now:

- Excel Workbook (*.xlsx)
- Excel Workbook, values only (*.xlsx)
- Excel 97-2003 Workbook (*.xls)
- Excel 97-2003 Workbook, values only (*.xls)

Formula clustering
Clustering of formulas to render sparklines and conditional formats has been enhanced to improve performance.

Map Charts

A map chart displays multiple charts which represent data relating to specific locations on a map. To create map charts, you require the longitude and latitude of each location in Signed Degree format.

You must have a commercial agreement with Google in order to use Map Charts. If you have such an agreement, enter your Google Map license key in Repository Administration.

Filter performance
The performance of filters in dataspaces has been enhanced by the use of new OLAP MDX functions.

Writeback behavior
A new option in Report Properties enables Spreadsheet mode or Form mode. These modes affect navigation in Application Studio WebServices within and between cells which have been enabled for writeback.

Buttons in spreadsheets

It is now possible to define and show tooltip strings on buttons.

Options to position button captions have been improved.

Buttons with the appearance of native Windows buttons can be created.

Report auto-sizing
To support the design of dashboards which auto-size for different screen sizes and resolutions, you can now specify that individual columns and rows can grow or shrink. If you allow shrinkage or growth on even a single column or row of a report, it enables the report to be resized.

Relational list designer
A new driver has been introduced for accessing relational data and the design of the Relational List Designer has been updated.

Drillback in Workspace
If Application Studio is running in Workspace, you can define an action which drills back to the application on which Application Studio is reporting.

Report parameters
To support the design of dashboards, report parameters which point to global or report variables can be defined. In dashboards, reports which share parameters can communicate and update each other without the dashboard having to be reloaded.

Thumbnails
Thumbnail images have been introduced to enable the easy identification of reports in the content browsers of Infor Dashboards and Infor Motion Dashboards.

Application Engine Process action
The Application Engine Process action has been introduced. It can be used to trigger rules and processes created in the Infor BI Application Engine Process Editor, which is now installed with Application Studio and Consolidation and Planning.

Animated charts
These chart types can be animated:

- Column charts (simple columns only, no stacks)
- Bar chars (simple bars only, no stacks)
- Line charts
- Pie charts

Animation can be enabled globally or by series. it is not available for charts in compatibility mode.

Office Plus

Cell notes in ad-hoc reports
Cell notes can now be created in ad-hoc reports.

Report management
Drag & Drop and Copy & Paste can now be used to move and copy reports in the Report Catalog.

Formula Wizard
A new formula wizard has been introduced and the formulas re-categorized.

Dashboards

The 10.4 release sees the introduction of two, major cross-platform, products: Infor Dashboards and Infor Motion Dashboards which offer, respectively, Web-based and iPad-based BI reporting. New functionality has been introduced in Application Studio to support the new products.

The new products access Application Studio WebServices report catalogs and enable you to create flexible and attractive dashboards comprising multiple reports and Web content.

Infor Dashboards and Infor Motion Dashboards share much of the same functionality, but there are differences. For example, administrative functions such as creating connections to report catalogs are undertaken in Infor Dashboards. The *Infor BI Installation Guide* details the differences.

Planning and Consolidation

Planning and Consolidation are now integrated into one model:

- NewInfor BI Application Engine Process Editor available to ease building consolidation rules and processes
- Application Process Engine Editor is delivered via Application Studio and Planning and Consolidation Setup
- Now possible to attach documents to journals and ownership changes.

Attachments of participation changes and journals

In the Add Attachment dialog, you attach documents to a participation change or a journal and you can view or delete document attachments. The attachments are stored on a version control server and are available for all users who are connected to the server. Every user has his own directory on the server to manage attachments and folder structures.

OLAP

Load from source
Functionality has been added to automatically load an OLAP model directly from a relational source (MS SQL-Server) without requiring an external tool. This includes:

- Creating dimensions (including Attribute definition) and loading of all elements and attribute values
- Creating cubes (including Cube properties and Cube Rules) from relational tables/views
- Loading data into the cube (including options for partial cube load)
- Loading security information (DAC and MDAC cubes)

Performance improvements

Multicore calculation

Existing multicore calculation capabilities have been extended to increase request performance for single users.

Now, calculations for single-user read requests are split into multiple tasks and multiple threads so that a single request can make use of the power of parallel computing on multiple cores.

Cache partitioning

The cache for calculated values can be split into multiple parts. This can significantly improve request performance in combined read/write scenarios because it reduces the requirement to recalculate values in areas of cubes that were not affected by changes.

MDX Engine improvements
The MDX Engine has been improved to increase performance and to decrease memory consumption to a great extent - especially on null/zero suppression.

Product and content setups

Silent setup
Content setups can now be run silently. That is, without user intervention, by specifying installation parameters on the command line.

Dashboards
A setup for Infor Dashboards is now included.

Changed Functionality

Overview

This chapter summarizes changes in functionality and User Interface; introduced into Infor BI since version 10.3.2.

Application Studio

PDF export
To support PDF export in Dashboards, the setting "Browser Window for PDF Files" has been removed from the report catalog settings in Repository Administration. PDF exports now always open in a new window.

BIS
BIS support has been removed from BI.

Office Plus

Trusted locations
It is no longer necessary to add Office Plus manually to the list of trusted locations.

Unsupported environments
If you attempt to install Office Plus on an unsupported environment, setup is aborted and a message displayed.

License key location
In the Windows registry, the license key is now stored for the computer. That is:

`HKEY_LOCAL_MACHINE \Software\MIS AG\Plain\10.4\axlc\License ("Location" key, type: REG_DWORD)`

In previous versions, the key was stored by Windows user: `HKEY_CURRENT_USER`

Product and content setups

Unsupported environments
If you attempt to install products on unsupported environments the setup is aborted and a message displayed.

Application Studio Dispatcher
Application Studio Dispatcher is no longer included in the installation.

Repository conversion support
Conversion support for 4.1 and 5.0/5.1 repositories has been removed from the Application Studio Repository Conversion tool.

Content setup
Content has been enhanced to allow deployment of up to 15 models.

32bit/64bit file naming
Where there are separate setup files for 32bit and 64bit installations, the file name suffixes have been changed from x86/x64 to 32bit/64bit.

Flash demos
Flash product demos have been removed from the installation.

CPM Business Edition
The CPM Business Edition update is not delivered with the Infor BI 10.4 DVD.

Fixed Issues

Overview

This chapter summarizes issues fixed inInfor BI since version 10.3.2.

Application Studio

This chapter summarizes the issues fixed in Application Studio, Application Studio Web Services, and the Repository.

KBA	Description	Category	Incident ID
953449, 1131119, 1169556, 1169661	There is an issue with installing the BI sample TUTOR on Oracle11gR2.	FIXED	5655507
1181431	There is an migration issue due to a difference between using DS Connect with CPM 10.1.x and XMLA with CPM 10.3.2: The dimension list is reordered in the formula UI.	FIXED	5771254

1187491	Until the alias is refreshed in a customers report REF errors are shown instead of values.	FIXED	5860479
1344649	There is a display issue with Thai language setting.	FIXED	6149370
1342410	Copying specific customer reports throws the error message "Error copying report 'Reportname'."	FIXED	5826963
1343201	Excel export does not work with Internet Explorer 8 via HTTPS.	FIXED	6135413
597945, 1148956	A margin error message can prevent reports from being printed to PDF by the Scheduler.	FIXED	5763647, 5669045, 5430008
1159271, 1170112	In some cases the import of media content throws an error message.	FIXED	5536323, 5685278
943539, 1175450	There is a performance issue when loading the user management from an Oracle repository.	FIXED	5648063
1177179, 588375, 1019381, 1159649, 1169766	There is an issue with exporting reports with the Task Scheduler.	FIXED	5712760, 5534946
1178523, 1179322	For some charts the automatic scaling of the x-axis is not working correctly for all cases.	FIXED	5772636, 5776124
n.a.	For a specific scenario there is a crash when pasting a format which includes a sparkline.	FIXED	n.a.
1178533	There is an issue with overlapping text.	FIXED	5767733
n.a.	There is an update issue because the file mis.onvision.panes.dll has the version number 0.0.0.0.	FIXED	n.a.
1180526	In some cases the Range function in an ROC formula returns #NA.	FIXED	5775838
1182557	Clicking a button with only one action and the condition for the action is False leads to an error message.	FIXED	5820123
n.a.	When the option "Split by" is enabled for one of the report parameters in a report book, printing the report book fails with the error message "Object reference not set to an instance of an object."	FIXED	n.a.
n.a.	In some cases an action for stacked charts doesn't work.	FIXED	n.a.
1185743	For LDAP authentication with LDAP provider 10.3.1.116 there is an issue with the password detection.	FIXED	5839617

1184920	For a specific scenario in which two independent ROC formulas influence each other the result is #NA.	FIXED	5692526
n.a.	The cut-out in a chart area gradient isn't antialiased.	FIXED	n.a.
n.a.	In the List Designer the column size is limited.	FIXED	n.a.
956399, 1144099, 1145557	On the client machine a user must have access to the folder C:\Windows\Temp folder. This should not be necessary.	FIXED	5353748
n.a.	The "COS Tool" needs to identify "GO" commands in case that database SQL scripts are executed.	FIXED	n.a.
1156417	PDF export from in Internet Explorer 8 fails.	FIXED	5846178, 5827525, 5815950, 5807207, 5740143, 5651760, 5553094, 5540595, 5510113
1159025	The select element range function fails when printing the current report from the Export Wizard in WebServices.	FIXED	5518503
n.a.	For future compatibility reasons a check for OLAP 10.4 provider has to be adjusted.	FIXED	n.a.
n.a.	In some cases there is a crash when entering the portfolio report in the Analyzer model.	FIXED	n.a.
1179422	After migration from 10.1.x a script to export a report to Excel exports the file to '.mht' format.	FIXED	5778874
1181940	For a specific report updated from 10.1.7 values are not shown.	FIXED	5808608
1181384	For a specific report there is an error when selecting elements in the Web Services Export Wizard : "The element list failed to load".	FIXED	5855110, 5829051, 5808247
n.a.	The top navigation bar briefly appears when navigating to reports via a http POST request.	FIXED	n.a.
1184233	For a customer environment it is not possible to connect to a SQL repository. This is due to specific version numbers of the SQL server.	FIXED	5827647
n.a.	A mechanism to remove report files from the temp folder when rendering new reports has been implemented. In some cases with Dashboards, when there are engines with IDs >= 10, more files than intended are deleted.	FIXED	n.a.

n.a.	For a special scenario after a content export attributes are lost, and the order of reports in the tree has changed.	FIXED	n.a.
1174220	When a single report is open running the Print or Export Wizard in order to print a dynamic report book the following error occurs: "The book is not specified as dynamic. No delivery report can be defined".	FIXED	5728935
1149795	A filter errors occur when using the Pick List Manager and ODBO attributes are defined.	FIXED	5444551
n.a.	There is an issue with the Direct Link feature concerning the input tag and report variables.	FIXED	n.a.
1153731	The parameter "showTree=1" overrides the permission "browse folders" when using the Direct Link feature.	FIXED	5347680
1173906	There is an issue with the ROA formula which returns a #VALUE! Error even if the value is valid.	FIXED	5725538
1175628	In some environments cache files for client list are not created.	FIXED	5744072
1172498	For a specific report there is a crash when it is printed via the print preview.	FIXED	5508297
n.a.	There is an issue with the Web Expert when it runs on a domain controller. Remark: For a productive environment running WebServices (or other Infor BI software) on a domain controller is not recommended. Potentially not all problems (e.g. performance issues) can be solved in this environment. This is unsupported if the reported problem doesn't appear on a similar non domain controller.	FIXED	n.a.
n.a.	There is an issue with the update of the cache for Client Lists.	FIXED	n.a.
1173096	When immediately after closing a pop up windows with the close button in the upper right corner an interaction with the report follows it might happen that the report is not calculated.	FIXED	5680579
1153366	For some specific reports it may happen that write back values are deleted from the input report when trying to write back several values at the same time.	FIXED	5409783
1171907	Setting pick list elements recalculates the whole report instead of just the necessary lists.	FIXED	5704276
n.a.	There is a display issue with the focus marker on buttons. In some cases the dotted rectangle overlaps the button text.	FIXED	n.a.

n.a.	If changing the chart setting 'Format Axis' - 'Scaling' - 'Category axis intersects at' in some cases it may happen that the first value in the chart is not shown at the correct position.	FIXED	n.a.
n.a.	There is an issue when running the silten setup with specific setting on an Oracle repository.	FIXED	n.a.
1157364	For a specific report the content of a report variable is not printed on PDF when using the Export Wizard.	FIXED	5505769
1171088	The PROPER function does not work as expected.	FIXED	5694648
1172551	For a customer scenario there is a performance issue with the first load of Client Lists.	FIXED	5662301
1170412	There is an issue with the context menu when a button and an action is in the same cell.	FIXED	5684346
n.a.	Due to a side effect (see below 10.3.2.182, PMRPTG-10193) the navigation in the report tree doesn't work when using tabbed browsing.	FIXED	5710335
1142491, 1158628	There is an issue with the display of hierarchies in a hyperblock with activated line break.	FIXED	5438839
1160577	There is a performance issue concerning deleting caches. In some cases this may lead to a waiting time of about one minute.	FIXED	5506552
1155230	There is a performance issue in reports with SelectElement action on huge OLAP dimensions when using Search All in this dialog. This was already fixed for version 10.3.2.174. Now a special case with variable lists is fixed, too.	FIXED	5498472
1167800, 1167853	For some cases the cell format "[h]:mm:ss" delivers a wrong result. E.g. the value "0,166661" delivers "3:00:00" instead of "4:00:00".	FIXED	5665269
1161802	There is an issue with the display of drop down area of a combo box when the number of elements is limited by setting.	FIXED	5558258
n.a.	For a Set Parameter Action on a button the HTML code is generated twice. Remark: This is not critical. The fix is just a minor optimization.	FIXED	n.a.
1133844, 1166147	When a report uses a style sheet with a combo box and a global variable is used for the input and output variables of the combo box the global variable is always reset to the value used in the combo box which is stored in the style sheets definition when opening this report.	FIXED	5543576, 5647861

n.a.	There is an endless loop in the chart module when receiving an INF value from the OLAP server.	FIXED	n.a.
n.a.	Very long Direct Link strings cannot be processed by some browsers. Solution: The URLs are allowed to be send as POST requests.	IMPLEMENTED	n.a.
n.a.	From the report tree a report cannot be opened in a new window.	FIXED	n.a.
1160898	There is an issue with the result of a division by zero.	FIXED	5518159
n.a.	There is a performance issue for very big charts with hundreds of series.	FIXED	n.a.
1167628	In Application Studio clicking in any area of an action menu executes the action, in WebServices the click must be executed on the text.	FIXED	5662187
1161671	For a specific customer database the Pick List dialog doesn't deliver the correct filter results.	FIXED	5504670
1161760	There is a critical side effect in Application Studio 10.3.2.174, Consolidation reports are not shown any more.	FIXED	5655619, 5654768, 5558478
1166052	There is a display issue with write back cells which are close to combo boxes.	FIXED	5647508
1150167	There is a display issue with the formula bar when changing the size of the application windows.	FIXED	5444898
1155230	There is a performance issue in reports with SelectElement action on huge OLAP dimensions when using Search All in this dialog.	FIXED	5498472
1157381	There is a performance issue when deactivating single list filters.	FIXED	5500928
1157364	When running the Export Wizard that uses a specific script which sets a REPORT variable, the report variable value is omitted from the printed report.	FIXED	5505769
810966, 1133844, 1158114	Export to PDF doesn't work for a specific scenario with an Oracle repository.	FIXED	5520870
1158032	There is an issue with writing back to an OLAP DAC cube.	FIXED	5527496
1157740	There is an issue with conditional formatting after updating from 10.1.6.	FIXED	5510549
1155796	When setting the server list cache in the Repository Administration to e.g. 10000 there is an unhandled exception when trying to change this value afterward in the settings.	FIXED	5506790

1153738	The cell format Line Break is not handled correctly by WebServices.	FIXED	5483545
1156341	Under special circumstances the size of graphic objects is a little bit different than in 10.1.6.	FIXED	5474494
n.a.	Under some very special conditions styles used in conditional formats can be destroyed.	FIXED	n.a.
1133844, 1157015	There are some minor differences in the layout of a report in a web browser compared to the full client.	FIXED	5501011
n.a.	There is an issue with scrolling of write back reports.	FIXED	n.a.
1150832	When printing reports using the Export Wizard, the orientation in the page setup is ignored.	FIXED	5518545, 5329719
1147415	The Task Scheduler Page Setup settings override those of the individual reports when exporting a report book,	FIXED	5430532
1156958	In former versions it was possible to deactivate the splasher in Application Studio so that writing data on c-elements was not possible over a RWC formula.	FIXED	5509805
1152914, 1153569	For a special case the IRR function in Application Studio does not work properly and returns #VALUE.	FIXED	5484996, 5490588
1156617	For a non-native connection splashing via '#L' or '# Like' command to a base cell using a consolidated cell as basis will throw an error message: "The structure of the source and the target cells do not match." This worked in Application Studio 10.1.5.	FIXED	5512796
1153038	When opening a new window via Open Dialog Action a small minimized window appears for a second.	FIXED	5485378
1150839	ROA formulas are not always updated if WBA writes the value via an action.	FIXED	5456701
1156435	For a special scenario there is an issue with the calculation of charts.	FIXED	5500876
1156921	MEMBERNAME returns the first element in a dimension instead of an error when referencing invalid members.	FIXED	5504061
1145834	For a specific scenario the error message "True" appears sporadically when opening the customers start report.	FIXED	5400598
1148522	For specific reports there is an issue with 'automatic' scrolling in the browser.	FIXED	5305816
949161, 1148209	There is an issue with the default file extension when exporting a report to Excel.	FIXED	5411980
1151580	For Japanese UI it is not possible to add a global variable.	FIXED	5468264

n.a.	For some cases the desciptions in the Splasher dialog are not correct.	FIXED	n.a.
n.a.	There is an issue with centering a pie chart gradient.	FIXED	n.a.
1155152	There is a performance issue with the Splashing operation LIKE.	FIXED	5498060
1147931	Combo boxes overlap the next column after upgrading from 10.1.	FIXED	5476380, 5427694
1146379	The ExecuteMDX scripting command on a XMLA Infor OLAP connection fails in Application Studio 10.3.2.	FIXED	5415357
1151076	Scheduled printing tasks for specific days run one day too early.	FIXED	5447738
n.a.	There is a performance issue with the write back navigation in Internet Explorer.	FIXED	n.a.
n.a.	There is a crash when in a special case a list calculation fails.	FIXED	n.a.
n.a.	There is a refresh issue when a new OLAP cube was added.	FIXED	n.a.
n.a.	Filtering by value fails when a tuple is defined by an empty variable.	FIXED	n.a.
1145903	There is an issue with actions on a button or chart in a hyperblock.	FIXED	5271877
1142109	There is an issue with setting a value for the PickList dialog per script.	FIXED	5337126
1107030, 1144339	In a specific scenario there is a crash when selecting an element in a combo box.	FIXED	5306659
1146167	There is a performance issue with an OLAP database after an update from 10.0.2.	FIXED	5395096
1148434	There is a performance issue with a Microsoft Analysis Services database after an update from 10.1.7.	FIXED	5418968
1133844	In a specific scenario there is an issue with requests that causes the OLAP server allocating a huge amount of memory.	FIXED	5279915
1107030, 1135580	For a specific report design with 1 pixel wide columns there is an issue with displaying navigation elements.	FIXED	5321110
1148659	There is an issue with COpenSaveDialog in scripts when selecting several files.	FIXED	5427615
1145327	For native Aliases there is an issue with displaying #NA instead of the correct value for RWN or RON formulas.	FIXED	5394434

n.a.	For a specific scenario the Undo Checkout function leads to a crash.	FIXED	n.a.
n.a.	For a specific report design there is an issue with the alignment of text.	FIXED	n.a.
n.a.	In a special case there is an unhandled exception after finishing the Export Wizard.	FIXED	n.a.
n.a.	There is a display issue in the List Designer for relational lists.	FIXED	n.a.
n.a.	Bold fonts in button labels are not always displayed in the correct size.	FIXED	n.a.
1132625	In some rare cases for lists which requests a very huge amount of data Application Studio can cause a crash of the OLAP server.	FIXED	5313105
1134040	When in a ROC or CELLGET formula an element in a specific customers Analysis Services database is selected #NA is shown instead of the value.	FIXED	5277173
1132644	When selecting the option "Allow access to a selected Repository ...." and entering a wrong password during log-in the "OK" button is disabled.	FIXED	5309885
1135343	In some cases right of a 'frozen' column splitter the horizontal grid lines are not displayed correctly.	FIXED	5332879
1135428	In a specific customers report string elements are not shown correctly.	FIXED	5318107
1136747	After a selection change and reopening the pick list manager it is not that the same elements as before are selected and displayed.	FIXED	5353260, 5353226

Office Plus

KBA	Description	Category	Incident ID
1185400	With deactivated write back editing a formula in a formula report is not possible.	FIXED	5815452
1338774	In an Alea formula report it is not possible to drag down a formula if write back is disabled in the repository.	FIXED	5876919
1342548, 1342548	A header dimension can't be changed in an Alea Ad-Hoc report when write back is disabled.	FIXED	6136849, 6157995

1161117	In some certain cases after converting an Alea Ad-Hoc report which contains cells with the result "#DIV/0!" to a DBGET formula report these cells show "	FIXED	5554819
1177384	When opening the dimension browser in an Alea Ad-Hoc view it is not possible to save an element selection as subset if the user hasn't the permission "Edit dimension".	FIXED	5665674
1025896, 1180978	Values overwrite formulas if multiple values are pasted in a formula report in a way that values are pasted so that some of the cells are inserted outside of the target area of the report definition and some are inserted to the formulas in order to update the values.	FIXED	5707252
1167909	For a specific customer report with a chart there is a crash when pressing F9.	FIXED	5658908, 5445049
n.a.	For an Ad-Hoc report a cross join with a single value filter throws an error message.	FIXED	n.a.
1175180	If an Excel file has write-protection enabled an error message is thrown when opening the file with Office Plus loaded.	FIXED	5747356, 5746684, 5736143
1179939	There is a performance issue with the navigation in very huge formula reports.	FIXED	5784148
1180258	Ad-Hoc reports created with 10.1.3 which containes a colon ":" in their names cannot be opened after the update to 10.3.2.	FIXED	5783148
1180617	An error message "You have no permission to change the report" is shown when a formula report name has been changed in the "Save as" dialog.	FIXED	5803645, 5802857, 5766447, 5760299
1181261	A conversion to a formula report (CELL.GETC) doesn't work properly if attribute tables are enabled in the Ad-Hoc report.	FIXED	5686735
1183908	Infor.paste.special via VBA doesn't work properly.	FIXED	5687549
n.a.	A message box appears when placing the mouse over the link "Actions".	FIXED	1185236
1185400	With deactivated write back changing a formula in a formula report is not possible. (Remark: For 10.3.2 this will not be fixed for Alea Ad-hoc reports.)	FIXED	5815452
1135430, 1135430	A new created MdsEx.ini contains invalid folder names. A backslash is missing.	FIXED	5725078, 5350608
1173605	An Excel attachment in MS Outlook cannot be opened in Office Plus.	FIXED	5719740

1156092	The de.add formula causes that the dimension description gets lost.	FIXED	5501239
1172169, 1174681	Very huge Alea reports can lead to issues (error messages or crashes) with Excel.	FIXED	5687631, 5761039, 5731591
1174070	When converting an Ad-Hoc report with multiple selections to a formula report the following warning message can be shown: "Some selections have been cleared because at least one slice has too many elements". Remark: The limitations of Excel have to be taken into account. Especially the limitations of Excel 2003 could become critical in this case. This cannot be fixed within Office Plus.	FIXED	5684019
1169779	Saving a file to a network location in a different domain fails.	FIXED	5526475, 5480694
1169217	Network locations are shown twice in the Office Plus "Save As" dialog.	FIXED	5677599
1167230	In the dimension browser the width of the attributes column is not saved.	FIXED	5678038, 5652111, 5558508
1160847	When in the "Save as" dialog the button "Save as other formats" is used for read only files also the new created file is still read only.	FIXED	5552505
1167222	In some cases there is a deadlock when selecting a column in sheets where the sheet protection is activated.	FIXED	5678123, 5653746
n.a.	Office Plus doesn't send MDSCHEMA_HIERARCHIES with cube restriction.	FIXED	n.a.
1161117	There is an issue with the result of a division by zero.	FIXED	5554819
1160918	The splasher command COPY does not work for a specific scenario.	FIXED	5541592, 5672412
1166927	There is a performance issue with a new created formula report compared to a converted formula report.	FIXED	5559290
725392, 1167798	For Ad-Hoc formula reports and setting UseAsyncFormulas="True" the option "Show empty cells (#NA) as" does not work correctly: Numbers are handled as strings.	FIXED	5662197
1169891	In a specific Excel 2003 environment the "Edit Links" dialog takes several minutes to close.	FIXED	5683838
1134954	There is an issue for a very specific splashing scenario when splashing on a calculated element which is zero.	FIXED	5222854

1155215	For some environments OPlus starts with an exception when there is a hidden personal.xls workbook in the Excel start folder as a .xlsb file.	FIXED	5484831
1154841	An empty file is created when opening a .xls file and clicking the "new file" button in Excel.	FIXED	5501118
n.a.	For a specific report the alias name "Forecast" doesn't work.	FIXED	n.a.
1156617	For a non-native connection splashing via '#L' or '# Like' command to a base cell using a consolidated cell as basis will throw an error message: "The structure of the source and the target cells do not match." This worked in Office Plus 10.1.5.	FIXED	5512796
1156643	In a customer scenario after upgrade 10.3.2 release it is not possible anymore to change elements in the header of an Alea Ad-Hoc report.	FIXED	5518200
1143811	The "Open" and "Save" dialogs don't show shortcuts in the file system. This was already fixed in Patch 10.3.2.157 but a special case was is still open.	FIXED	5386200
1107031, 1133845, 1136440	There is an issue with the log file when starting Office Plus for the first time after installation.	FIXED	5488807
1150168	There is an issue with the file name in the header of Office Plus.	FIXED	5459846
1133845, 1133846, 1134720, 1143886	There is an "Invalid number of parameters" error message in an Ad-Hoc report when there is no permission on the top level element.	FIXED	5430752, 5383628
1149820	Under special circumstances there is a performance issue in the UI when selecting columns or rows.	FIXED	5409821
1148922	Under special circumstances there is a performance issue when accessing Global Reports.	FIXED	5412885
1054235, 1149841	There is an issue with the attribute layout after converting an Alea Ad-Hoc report to a formula report.	FIXED	5448043
1147998	In a specific scenario a selection in the Alea Ad-hoc report designer gets lost.	FIXED	5329712
1133158, 1134958	In some special cases "Division by 0" errors are not displayed correctly in Alea Ad-Hoc reports.	FIXED	5415567
1143593	The Open dialog shows a wrong sorting order concerning dates.	FIXED	5394587

1134618	There is an issue with attributes after the first log-in when creating a new Alea Ad-Hoc report. An error message is shown or the attributes are shown as mismatch of characters.	FIXED	5430979, 5117121, 5382406, 5306622, 5333068
n.a.	In an Excel aggregated formula report on Analysis Services the commands #W50% and &W-50% don't work correctly on base cells.	FIXED	n.a.
1126749, 1126827	A report which is stored on a network drive and opened via a link in a Power Point document cannot be saved. A fix was already released with the last patch. But there is a special case which was not taken into account.	FIXED	4956019, 5255348, 5105414
1146431	For an Ad-Hoc report and disabled options "Show slice-dimensions horizontally" the converted formula report via Cell.GETC is not complete. It can happen that some cell and column references get lost.	FIXED	5421215
1126879	Trying to save a report to a restricted folder doesn't return an error message.	FIXED	5257993
n.a.	After converting an Ad-Hoc report to a Cell.GetC formula report in some rare cases clicking the save button leads to an unhandled exception.	FIXED	n.a.
1128182	In a special scenario splashing Null causes heavy load on the OLAP Server.	FIXED	5239496
1134003	There is an issue with templates when working with two open Excel sheets.	FIXED	5318699, 5382652
1143566	If a user opens an Excel file which is already in use by another user a message "MS Excel Worksheet is locked for editing" appears and in the header of Excel the information "Read only" is shown. In Office Plus this information is missing.	FIXED	5393920
1145219	For pasting data in a formula report with MS Excel 2003 SP3, the "Paste Special" option is available in the context menu but the dialog does not open,	FIXED	5427839, 5409449
1145236	There is a crash when using "Edit links" in Excel 2003 if there are no links in the opened file.	FIXED	5410280
1143811	The "Open" and "Save" dialogs don't show shortcuts in the file system.	FIXED	5386200
1135570	There is an unexpected behavior of the Alea Ad-Hoc dimension browser when cutting elements.	FIXED	5329281

1116717	In a Dutch Excel 2007 empty cells return an #NB error in all formula reports. The fix for a former version was not working for all cases.	FIXED	5077371, 5430232
1126452	There is an issue concerning automatic recalculation which is caused by the settings in mdsex.ini and registry keys.	FIXED	5251693
1133464	There is an issue with selecting elements in a dimension with a parallel hierarchy.	FIXED	5298016
n.a.	In a CellGetC formula report an invalid write back command deletes the formula.	FIXED	n.a.
n.a.	As last step in searching a default view Office Plus searches in common files subfolder \MIS\Alea\View\.	FIXED	n.a.
1127170	When saving a new or empty formula report on a network drive the save dialog needs about 1-2 minutes to open.	FIXED	5216126, 5376685, 5213208
1129883	The template path in 'Options' - Tab 'General' cannot be changed.	FIXED	5268865
n.a.	When exporting a formula report, in the export dialog the selected 'Save as' type is by default always .xsl regardless of which type the report is.	FIXED	n.a.
n.a.	The write back command #W[value]? does not work with cells that contain negative values.	FIXED	n.a.
1134254	Create a new ad-hoc report / In 'Options' use 'Default ad-hoc report' / An error message "Invalid number of parameter" appears.	FIXED	5268713, 5376071
1136213	Open an empty formula report / Copy more then one cell via context menu / Paste via context menu / In some cases an error message appears.	FIXED	5348385, 5338864
1136456	The shortcut Ctrl+M also copies the cell format if copying from a different Excel session.	FIXED	5332723
1136737	Under special circumstances closing the 'Edit Links' window takes up to 2 minutes.	FIXED	5301465

OLAP

KBA	Description	Category	Incident ID
n.a.	An invalid argument of the DefaultMember function can lead to a crash.	FIXED	n.a.

n.a.	For a specific scenario there is a small memory leak due to loading an SSO provider DLL several times.	FIXED	n.a.
1184972	It some scenarios it may happen that nn empty XMLA list is returned for a user with restricted permissions.	FIXED	5805484
n.a.	For specific requests there is a crash during processing a DESCENDANTS function on an empty set.	FIXED	n.a.
1177024, 1177854	There is a caching issue when a cache contains subcubes but no values.	FIXED	5756072
1179321	For specific list calculations a non admin user receives the error message "XMLA error : Internal error".	FIXED	5761786
1159299, 1145472	If a string cell contains a c-element, it isn't correctly handled by the (old) accelerated rule engine.	FIXED	5526528, 5406594
n.a.	The default for the setting JIT Rules in the db.ini file should be changed to NO.	IMPLEMENTED	n.a.
1179314	There is an issue with the CellToSQL function.	FIXED	5742134
1176690	On a system with Russian language settings the OLAP Administration UI shows incorrect characters.	FIXED	5755152
1154559	An Alea ad-hoc view shows empty cells and "Y" sign when selecting particular elements in dimensions to create a view.	FIXED	5480915
n.a.	It is not possible to limit the LastPeriods function to a subset of members of a dimension. Implementation: A third optional parameter 'set' has been added: LastPeriods(index [, member[, set]]) If a set is specified LastPeriods will search the last periods of the member in the set instead of the dimension.	IMPLEMENTED	n.a.
1134720, 1133845, 1133846, 1156579, 1143886	MDSCHEMA_HIERARCHIES throws an error if a dimension doesn't have a default member.	FIXED	5326224, 5414085, 5430752, 5430956
1171053	Under special circumstances an internal overflow occurred when importing values to an OLAP database.	FIXED	5555362
n.a.	Under special circumstances there is a conversion error when retrieving attribute values.	FIXED	n.a.
n.a.	With some ODBC drivers the OLAP server crashes when an ODBC error occurs.	FIXED	n.a.

1160103	Under certain conditions OLAP Server crashes when processing mdx requests with Russian characters.	FIXED	5538221
1154559	If the cache size which is used to accommodate the result set returned from OLAP kernel is exceeded the result set is truncated.	FIXED	5480915
n.a.	In some scenarios OLAP may crash if an instance of the ComManager is already running when it is started.	FIXED	n.a.
1156623	In very certain scenarios when calculating the same reports several times and the "Calculated Cells Cache" is enabled wrong values are returned.	FIXED	5506456
n.a.	There is a memory leak in some internal filter functions.	FIXED	5493727
n.a.	There is a case in which a request is denied even though the limit defined with MaximumRequestCells is not reached.	FIXED	n.a.
1128962	In a customers scenario is an "Internal Error: Contact the software manufacturer" when browsing a cube in Alea Ad	FIXED	5272110
1133845, 1133846, 1147202, 1148403	There is an issue with high memory usage.	FIXED	5335015
1150210	Requests can cause the OLAP server to allocate more memory than is physically available. An example is filtering through several million cells with zero suppression. Solution: To prevent this scenario, the OLAP Server will throw an exception if such a big request is detected based on limit. By default the limit for requesting cells is set to 10 million cells. This limit is configurable in the DB.ini file: [INIT] MaximumRequestCells=10000000	IMPLEMENTED	5428587
1152599	A unique name is not resolved when the member name contains the character "&".	FIXED	5472612
n.a.	In some cases there is a crash when evaluating PrevMember on non-existing members.	FIXED	n.a.
n.a.	In a specific scenario after deleting a dimension there is a crash when accessing this cube.	FIXED	n.a.
n.a.	In a specific scenario there is a crash after creating a calculated element with an incorrect selection and requesting this element.	FIXED	n.a.

1150210	There is a memory consumption issue with the mdx data cache.	FIXED	5428587
1146409	Under special circumstances there is a memory leak in the OLAP server.	FIXED	5424875
1134720	Schema Hierarchies don't load DAC which is needed for permission check on a default member.	FIXED	5414085, 5326224
1114928	There is a memory issue when requesting MD-SCHEMA_MEMBERS with several million members.	FIXED	5098223, 5287402
1144191	A subset name which dimension name contains a dot cannot be resolved.	FIXED	5383857
n.a.	When enabling CellToSQL using a remote SQL Server database OLAP crashes.	FIXED	n.a.
1123780	In a specific customers environment the OLAP server crashes.	FIXED	5120453

Consolidation

KBA	Description	Category	Incident ID
1342347	In some cases 'Carry Forward Journals' doesn't transfer the 'Currency Translation Differences - Minorities' to the correct schedule detail (element).	FIXED	5855522
1185003	When creating journals in Consolidation, it is possible to assign a "Participation-Change" with the following selections: Holding, Company, Typ, Date and Description. After the "Participation-Change" is once assigned, only the Holding and the Company is displayed in the respective journal.	FIXED	5840458
n.a.	In some rare situations it can happen that the simulation mode cannot be deactivated.	FIXED	n.a.
1181876	There is no possibility to delete data areas.	IMPLE-MENTED	5809544
1181655	In a specific customer environment there is a performance is-sue.	FIXED	5809530
602194, 655447, 1178542	Changing system accounts in Oracle Consolidation Designer returns an error message.	FIXED	5763775
1177330	Under special circumstances it is not possible to define a date for the "Deconsolidation" (Endkonsolidierung).	FIXED	5760592

1168163	In a special environment opening the Company/Group journal list leads to an error message.	FIXED	5540956
1167012	For a special scenario the "Copy Subgroup Data" function runs in an endless loop.	FIXED	5073945
1054237, 1159363	In some environments in the log on screen the project and language are not saved although the "Save settings" check box is activated.	FIXED	5530206
1147081	In some cases after upgrading from Designer 10.3.1 an "Error in Rule Target" error appears during the creation of the Designer database.	FIXED	5376951
n.a.	After some operations the account selection dialog does not open in the rules editor any more.	FIXED	n.a.
1149489	For a very large Accounts dimension there is a crash when changing a setting in: 'Consolidation Setting' - 'System Accounts'.	FIXED	5440891

Planning

KBA	Description	Category	Incident ID
n.a.	Incorrect formatting of marked lines in cost center planning report	FIXED	n.a.
n.a.	Formatting of columns not logical	FIXED	n.a.
n.a.	Format of short header is incorrect	FIXED	n.a.
n.a.	List view for selecting currencies	FIXED	n.a.
n.a.	Currency rate settings colour codes incorrect	FIXED	n.a.
n.a.	Volume Forecasting functionality is unclear	FIXED	n.a.
n.a.	Distribution dialog in Volume planning is incomplete	FIXED	n.a.

Designer

KBA	Description	Category	Incident ID
1170151	After starting Designer the first time after installation clicking on any of the folders displayed in the Designer structure pane, right-click "link", select "dimension" an error is displayed in the Designer log window: "Could not add object <number of object>".	FIXED	5647605

1175872	After an update in the dimension editor copy/paste of attributes does not work anymore.	FIXED	5518883
1173435	A cube can't be re-created if cube-to-cube relations have not been removed before.	FIXED	5708600
1175414	In a customers environment there is a performance issue with refreshing a dimension.	FIXED	5707321
1177639	In a specific customers environment is not possible to create a new rule group.	FIXED	5668304
1176161, 1176161	Activating the option "Disconnect users from Infor BI OLAP Server while creating the database" also logs off the "aleainternal" user who is mandatory for the OLAP Server Event Agent.	FIXED	5671395, 5742031
1056189	There is an issue with dimensions named "Comment".	FIXED	4821890
n.a.	For Consolidation creating a specific OLAP database fails.	FIXED	n.a.
n.a.	There are issues when the Designer database is in Oracle.	FIXED	n.a.
1133847, 1172903	In some cases the order position cannot be edited.	FIXED	5683765
1173475	For a specific configuration there is an issue with the access to an Oracle database.	FIXED	5717202
1019099	After increasing the length of a string attribute all existing attribute values are deleted.	FIXED	4581928
n.a.	For a specific environment attributes are not read correctly from MS SQL2005.	FIXED	n.a.
n.a.	For a specific database the model creation fails.	FIXED	n.a.
1169773	If a script is used to create a dimension in explicitly one data model the Designer also tries to create this dimension in another data model.	FIXED	5650480
1107033, 1161335	In a specific scenario the MDAC cube is not generated.	FIXED	5518897
1136270	When opening "Cell Lock" scenarios in a specific customers Designer database the following error message is shown: Could not add the record to table 'tblCLScenarioDimsSubsets'.	FIXED	5348290

10.3.2

New Functionality

Platform support changes

Microsoft Office 2007, SP3 is now supported.

Mozilla Firefox 9.0 is now supported.

For a complete list of supported third-party components, refer to the *Infor BI Platform Support Guide*.

Product and content setups

Russian

All 10.3.2 components, with the exception of Infor BI Consolidation, are now available in Russian translation.

New descriptions of installation types

The descriptions of the available installation types in the DVD browser have been reviewed and clarified.

License Server service

The License Server Service is now installed by default when you install the License Server.

Best Practices Templates sample database

The Best Practices Templates database has been simplified and some errors corrected. The database has been reworked as a good sample for reference and self-study, rather than as a quick start-up tool.

Planning

Infor BI Planning is now available.

Planning controls integrated profit and financial planning. Building from single tasks in the planning process, through to the resultant Balance Sheet and Profit and Loss statements, the Planning, Budgeting and Forecasting processes are workflow-based for maximum efficiency and quick success. Integrated reports and analyses help you to visualize the entire planning process.

Application Studio

Folder nesting limit in report catalog

To ensure correct functioning with a variety of source databases, you can no longer create folder hierarchies of more than eight levels. The default, Reports, folder is at the first level.

Help files

The online help files now include an index.

Read-only relational lists

Relational lists can be read-only, or write back can be enabled. For users who do not need read-write access, read-only relational lists can return query results substantially faster than writable lists.

Improvements in User-defined Colors dialog

A color picker has been added to the User-defined Colors dialog. This enables you to select colors from outside the dialog, including colors in other applications.

The positions of colors in the palette can now be exchanged by Drag & Drop and by Copy and Paste.

Tooltips on buttons in Application Studio WebServices

The Object Properties dialog now has an option to specify tooltip text on buttons displayed in Application Studio WebServices

Office Plus

Folder nesting limit in report catalog

To ensure correct functioning with a variety of source databases, you can no longer create folder hierarchies of more than eight levels. The default, Global Reports, folder is at the first level.

64 bit Office Plus

A 64 bit version of Office Plus is available. The 64 bit version will be selected automatically if Office Plus is installed on a machine which is running the 64 bit version of Microsoft Excel.

Note: The 64 bit version of Office Plus has these limitations:

- Office Plus Alea functionality is not available
- DataLink integration is not avaiable

Help files

The online help files now include an index.

Changed Functionality

Application Studio

Value data labels in charts

In some cases, value data labels in charts would overlap the highest value data series. This issue has been fixed.

Password encryption in Application Studio WebServices Web Expert

Web Expert no longer stores unencrypted user information in the Repository.

Forms navigation

Spreadsheet mode and Form mode affect navigation in Application Studio and Application Studio WebServices within and between cells which have been enabled for writeback.

In Spreadsheet mode, you can navigate between cells with the Tab key or by using the arrow keys on the keyboard. The currently selected cell has a black border. To edit a cell, press F2 or double-click the cell.

In Form mode, you can navigate between cells with the Tab key or with the mouse. The left and right arrow keys move the cursor one character at a time, through the value in the cell. The up and down arrows move the cursor to the beginning or end of the value respectively.

Whether Form mode or Spreadsheet mode is the default for all reports can be specified in Infor BI Repository Administration

For individual report, the modes can be selected in the Writeback behavior option on the **Options** tab in the Report Properties pane.

Improved filter performance

The performance of filters has been significantly improved through the use of new OLAP MDX functions.

Fixed Issues

Application Studio

Issue ID	Description	Incident ID	Solution ID	Category
-	This Service Pack cumulates fixes for several customer reported issues and other improvements and bug fixes. All fixes for previous versions of this product are included in this Service Pack, too. Please also check the Infor365 Solutions (new: Infor Xtreme Support Knowledge Base Articles) for the Version Histories of the previous product versions.	-	-	-
-	There are several issues in the Sharepoint Integration.	-	-	Fix
-	There are several issues in the Chart Visualization and Chart Printing.	-	-	Fix

-	WebServices: There are several issues in the Web Expert, in the Silverlight UI for the Print Scheduler and issues concerning IFS.	-	-	Fix
-	There are several issues in help files and translations.	-	-	Fix
PM-RPTG-8493	WebServices: With some version of the Chrome browser (e.g. 17.0.963.46) selecting a write back cell is not possible.	n.a.	n.a.	Fix
PM-RPTG-8431	It is not possible to remove actions from combo boxes properties.	5216400	1122649	Fix
PM-RPTG-8199	It is not possible to save any paper size other than the default A4.	5171640	1119681	Fix
PM-RPTG-6052	There are some issues concerning the configuration of an IFS provider via the administration tools.	n.a.	n.a.	Fix
PM-RPTG-7164	WebServices: The CurrentLanguage parameter is written to the Direct Link URL as "CL=<CurrentLanguage>" but it should be set as _CurrentLanguage variable value ("VariableName=_CurrentLanguage&VariableValue=<CurrentLanguage>").	n.a.	n.a.	Fix
PM-RPTG-7234	WebServices: After migration of a 10.1 project for some reports with hidden columns and fixed panes some combo boxes and control elements are not positioned correctly.	4782654	1053480	Fix
PM-RPTG-7361	The new chart gradients are not rendered correctly for PDF export.	n.a.	n.a.	Fix
PM-RPTG-7535	In XMLA driver the check if CUBE_TYPE is different than "USER" is missing. In this case splashing should not be allowed like for the Native and ODBO OLAP drivers.	5012313	n.a.	Fix
PM-RPTG-7555	A specific customer report with scripting cannot be printed using the print or export wizard.	5020290 4886164	1106374	Fix
PM-RPTG-7669	WebServices: Automatic resizing of reports in web part (Sharepoint) does not work when hosted by LN in Infor Workspace.	n.a.	n.a.	Fix
PM-RPTG-8161	When selecting an element in the "Select element" dialog with a double quote a .Net Exception occurs.	n.a.	n.a.	Fix
PM-RPTG-6684	The Print/Export wizard prints all reports of a book including the removed ones.	4814979	1055542	Fix

PM-RPTG-7453	Writing back values to cells with percent formatting leads to inconsistent results.	4919672	1105296	Fix
PM-RPTG-7670	A very specific syntax of MEMBERGET formulas do not work correctly.	n.a.	n.a.	Fix
PM-RPTG-7757	Relational variable lists are not shown in the object properties of list views.	5057762	1110794	Fix
PM-RPTG-7706	Web Services: Values are written back to wrongs cells if the write back area is far to the right side beginning with column AA.	5039757	1109894	Fix
PM-RPTG-7595	Web Services: In an environment with different regional settings a WBC formula doesn't write back all values correctly for all clients.	4899127	1063290	Fix
PM-RPTG-7258	Web Services: Action Links are not underlined like in former versions.	4917945	1063663	Fix

Office Plus

Issue ID	Description	Incident ID	Solution ID	Category
-	This Service Pack cumulates fixes for several customer reported issues and other improvements and bug fixes. All fixes for previous versions of this product are included in this Service Pack, too. Please also check the Infor365 Solutions (new: Infor Xtreme Support, Knowledge Base Articles) for the Version Histories of the previous product versions.	-	-	-
n.a.	There are several issues in help files and translations.	n.a.	n.a.	Fix
PMRPTG-8534	When saving a new or empty formula report in Office Plus the save dialog needs about 1-2 minutes to open. This happens in some cases when there are mapped but inaccessible network drives in the system.	5213208 5216126	1127170	Fix
PMRPTG-8523	A report which is stored on a network drive and opened via a link in a Power Point document cannot be saved.	4956019	1126749	Fix
PMRPTG-8482	There is an issue concerning automatic recalculation which is caused by the settings in mdsex.ini and registry keys	5251693	1126452	Fix
PMRPTG-8593	Trying to save a report to a restricted folder doesn't return an error message.	5257993	1126879	Fix

PMRPTG-7989	When starting a customer's import interface Excel macro the following error occurs multiple times "Object reference not set to an instance of an object".	5093626	1114914	Fix
PMRPTG-8401	When double clicking on a DBGET/DBGETC formula in a formula report the cell note dialog box appears. There is no way to disable it.	5134647	1123964	Fix
PMRPTG-8459	Write back for the Alea part cannot be disabled in the Infor PM Repository Administration.	5248245	1125924	Fix
PMRPTG-8429	Office Plus on Infor OLAP crashes when a user selects elements of an Alea Adhoc report using 'Keep Elements". This happens for a specific customers dimension.	5198429 5144680	1123351 1125820	Fix
PMRPTG-7549 PMRPTG-7898 PMRPTG-8353 PMRPTG-8354 PMRPTG-7624	There are some setup and migration issues when installing in complex customer environments.	4788914 4769477 5078428 5177995	1053175 1112079 1123664	Fix
PMRPTG-7638	There is a crash when creating an Excel value export of a certain customer report and making a change in the list designer.	4831209	1107319	Fix
PMRPTG-7689	Option settings are not saved for a user with Windows User rights. There is no write access to the mdsex.ini file.	5039579	1109150	Fix
PMRPTG-7691	There is a performance issue when inserting columns.	5020292	1109592	Fix
PMRPTG-7787	There is a performance issue when deleting columns.	5020292	1109592	Fix
PMRPTG-7907	Copy/paste of cells from Excel to Office Plus which is running in a different instance of Excel doesn't work.	4926975	1107932	Fix
PMRPTG-8185	In a German Excel 2010 gradients in Ad-Hoc reports don't work correct in templates.	5082567	1119635	Fix
PMRPTG-8211 PMRPTG-6315	In a Dutch Excel 2007 empty cells return an #NB error in all formula reports.	5077371	1116717	Fix
PMRPTG-8287	A 'Read only' information is missed in Office Plus. If an Excel file is used from a user and another user opens it a message "MS Excel Worksheet is locked for editing" appears and in the header of Excel the information "Read only" is shown. In Office Plus this information is missed.	5089480	1113202	Fix

OLAP

Issue ID	Description	Incident ID	Solution ID	Category
-	This Service Pack cumulates fixes for several customer reported issues and other improvements and bug fixes. All fixes for previous versions of this product are included in this Service Pack, too. Please also check the Infor365 Solutions (new: Infor Xtreme Support Knowledge Base Articles) for the Version Histories of the previous product versions.	-	-	-
PMOLAP-1263	The MDX Descendants function returns members only on one level.	4678929	1060939	Fix
PMRPTG-8429	Office Plus: Office Plus on Infor OLAP crashes when a user selects elements of an Alea Adhoc report using 'Keep Elements". This happens for a specific customers dimension. For this fix Office Plus 10.3.1.224 or later must be installed.	5198429 5144680	1123351 1125820	Fix
PMOLAP-1277	After migration of a customer database OLAP in some cases shows #VALUE! Error instead of the values. This issue only appears with OLAP Patch 10.3.1.122.	5054217	1110956	Fix
PMOLAP-1350	After installation the Repository Administration cannot be started via the Windows Start menu.	5175244	1119113	Fix
PMOLAP-1040	A specific combination of two different dimensions in the rule function GETATTR doesn't return a value.			Fix
PMOLAP-1125	There are issues in the OLAP Administration when handling a larger number (>1600) of connected users.			Fix
PMRPTG-7633	In a customers environment there is an error during copying the OLAP Permission Management to a new project.	5020848 5024351	1108223	Fix
PMOLAP-1210	Under special circumstances the OLAP VB function "RecordLoopFromDataarea" exports wrong values from a specific cube which contains string values.	4932520	1064519	Fix
PMOLAP-692	A very special MDX statement leads to infinite calculation time of OLAP.			Fix
PMOLAP-1213	In a customers database the push rules use a very special feature of the Event Agent and OLAP, where OLAP sends the event information for a PutCell request directly within the response instead of going through the event chain. This feature does not work.	4833928 4682968	1054741	Fix

PMOLAP-1253	There is an issue with incorrect values in a specific customer environment when acceleration is disabled and the MaxTileSize value is too low.	4958750	1107159	Fix
PMOLAP-1212	Opening a specific customers report in Application Studio leads to an error message in aleapr.txt.	4678929	1060939	Fix
PMRPTG-7853	Setup: During installation of OLAP 10.3.1 the following error is written in aleapr.txt file: "HTTP LISTEN: Error >> Can't open certificate C:\ProgramData\Infor\BI\OLAP\certificates\olap_root.pem" This is because certificates are not installed.	5066722	1112785	Fix

Consolidation

Issue ID	Description	Incident ID	Solution ID	Category
-	This Service Pack cumulates fixes for several customer reported issues and other improvements and bug fixes. All fixes for previous versions of this product are included in this Service Pack, too. Please also check the Infor365 Solutions (new: Infor Xtreme Support Knowledge Base Articles) for the Version Histories of the previous product versions.	-	-	-

Designer

Issue ID	Description	Incident ID	Solution ID	Category
-	This Service Pack cumulates fixes for several customer reported issues and other improvements and bug fixes. All fixes for previous versions of this product are included in this Service Pack, too. Please also check the Infor365 Solutions (new: Infor Xtreme Support Knowledge Base Articles) for the Version Histories of the previous product versions.	-	-	-
PMDES-681	Creating a specific Consolidation Designer database with a script leads to an error message.	n.a.	n.a.	Fix
PMDES-679	When creating a specific Cell Lock scenario the followning error message comes up during creation of the database: "Could not add the record to table 'tblCLScenarioDimsSubsets'."	4879723	1061555	Fix

PMDES-677	For a dimension it is not possible to create a new attribute with negative length (-1).	5209561	1124025	Fix
PMDES-659	In a customers environment rules are deleted from a cube although they are not part of the created model.	5078119	1121604	Fix
PMDES-647	In a customers environment the Designer deletes public subsets in OLAP during the creation of a database.	5128241 5226239	1116548	Fix
PMDES-642	Some update steps from an older Designer database failed.	n.a.	n.a.	Fix
PMDES-611	There are some minor issues concerning the new TableFieldHandler implementation.	n.a.	n.a.	Fix
PMDES-577	When using the import function in the Designer Relational Data Source it is not possible to import "Weight" information.	4903614	1063851	Fix
PMDES-572	In some cases there is an issue when changing the description of a string attribute.	4902899	1062133	Fix
PMDES-582	Attributfield IDName is automatically filled by the Designer.	4876200	1060634	Fix

10.3.1

New Functionality

Platform support changes

Additionally supported browsers:

- Firefox 7 certified
- Chrome certified
- Safari

For a complete list of supported third-party components, refer to the *Infor BI Platform Support Guide*.

DVD browser

For 10.3.1 the DVD browser has been improved with new software update technology and a new design.

Repository Administration

Infor Federation Services

The Infor Federation Services (IFS) SSO provider has been implemented, allowing tenant and multi-tenant support in Infor BI.

Application Studio SharePoint integration supports Windows authentication but does not yet support IFS.

Application Studio

Form and Spreadsheet report modes

Form and Spreadsheet modes affect the behavior and presentation of writeback-enabled cells in reports viewed in Application Studio WebServices. In Form mode, writeback-enabled cells are presented as they would be in pop-up dialog reports. Spreadsheet mode has the data entry behavior of previous versions, with some improvements. Navigation between cells has been improved and standardized to match the behavior of the full client and Excel.

Enhanced background settings

In the improved Format Background dialog, a background color, image, or color and image, can be applied the whole report. The background is applied to the whole window, not only to the report area. A background image can be used singly, or be repeated. Images can be repeated horizontally, vertically or in both directions.

Full screen view

Reports can be presented in full-screen view. Press Shift + F5 to enable full-screen view and Esc to exit.

Content packages

A Content Package Wizard enables export of multiple reports to a content package. In the Content Package Wizard you select which lists, global variables, multilingual strings and custom hierarchies should be exported. Content packages can easily be transferred between report catalogs and can be installed by custom Content Setups.

Database type support

Multiple relational queries can be stored in a single list definition to account for variations in the way SQL is implemented by different database providers. Relational Provider database aliases can be created which specify the database type to be used.

SAP NetWeaver BW Provider

Application Studio and Office Plus support reporting on SAP NetWeaver BW. Current limitations are described in the online help and in the Installation Guide.

Safari browser support on iOS

With some limitations, Application Studio WebServices supports Safari on the devices running the iOS operating system. For example, the iPAD. The limitations are described in the online help and in the Installation Guide.

Support for Google Chrome

Application Studio WebServices supports Google's Chrome browser with one limitation. Microsoft Silverlight-based components such as the Application Studio Report Scheduler are not currently supported.

Variable user value handling

Global and report variables can have a value for each user and role, and a default value. If required, all values can be edited, or returned to their defaults, in a central administrative user interface.

Localization of report and folder descriptions

The descriptions of reports, report folders, scheduled tasks and report books can now be localized.

Prerequisites setup

Microsoft® XML Core Services (MSXML) 4.0 SP 2 - is no longer included in the prerequisites setup. You will need it if you use "Application Studio Conversion Support" to convert, for example, from OnVison 5.2 or earlier. If it is not already installed, download it from here: http://www.microsoft.com/downloads/details.aspx?FamilyID=3144b72b-b4f2-46da-b4b6-c5d7485f2b42&DisplayLang=en

CHECKSUM function

The CHECKSUM spreadsheet function generates a hash value for a given range of values. In a Checksum report, if the hash value changes, it indicates that there have been changes within the specified range of values. Such changes might be deliberate, or they might be the result, for example, of accidental corruption of the data. In OLAP Server and Consolidation a hash value can be created for a given data area. This functionality can be accessed in Application Studio through scripting.

Keep Original Size option for image objects

A new right-click option, Keep Original Size, is available on image objects. The size of images can change due, for example, to changes in the height of rows. The new option returns an image to its original size and automatically selects the **Depends on cell position** option on the **Properties** tab of the Object Properties dialog.

Office Plus

DataLink support

Relational reporting via DataLinks is now available in Office Plus. It is possible to view DataLink tables in ad-hoc mode, and to create formula based reports.

Local Cube Wizard

The Local Cube Wizard has been improved and no longer requires the .xla plugin (MIS.Plain.LocalCube.xla).

Asynchronous clustered formulas

Multiple issues with the performance of clustered cell get formulas have been addressed through implementation of asynchronous UDF formulas in Excel 2010.

MEMBER.ANAME and MMEMBER.ANAME functions

MEMBER.ANAME displays a specified attribute of an element. MMEMBER.ANAME displays a specified attribute of multiple elements.

SAP NetWeaver BW Provider

Office Plus and Application Studio support reporting on SAP NetWeaver BW. Current limitations are described in the online help and in the Installation Guide.

OLAP Server

Increase in concurrent users

The number of concurrent users supported has been increased from 1000 to 16000.

Consolidation

New features and improvements

Standard cash flow

An enhanced consolidation model with a predefined chart of accounts for cash flow now supports a configurable cash flow calculation for companies and groups. The cash flow data is stored in a new cash flow cube and can be adopted from financial and schedule data and from previous periods' cash flow automatically. Cash flow accounts can also be set to manual to manage them by entering data manually. The process supports managing the company and group cash flow data, calculation of currency differences, and automatic transfer from company cash flow to group cash flow.

Standard transaction management

An enhanced consolidation model now supports management of intercompany transactions using transaction currencies and calculating transaction and currency differences. Transaction data is stored in a new cube and managed through new standard reports. A set of new consolidation rules manages the calculation and carry forward of the differences automatically.

Schedules overview

This standard view shows the schedule configuration that is defined in Infor BI Designer. Users with no access to Infor BI Designer can check this schedule configuration in Infor BI Consolidation. The schedule overview includes the same information as defined in the schedule configuration of the Designer.

In the view, the data is displayed hierarchically. The schedules are shown on the top level of the view. The schedules can be expanded or collapsed to view the schedule details in the different schedule areas such as data entry, journals, or reporting.

Chart of Accounts overview

This standard view shows the account configuration that is defined in Infor BI Designer. Users with no access to Infor BI Designer can check this account configuration in Infor BI Consolidation.

The account overview includes the same information as defined in the account configuration of the Infor BI Designer.

Copying journals

The function to copy journals can be used to copy data of selected journals from the company journal list and the group journal list.

In the company journal list or the group journal list, select one or several manual journals in the Selection column, right-click and select Copy Journals from the context menu or select **Consolidation > Copy Journals**. If you select automatic journals, these menu items are disabled.

The Copy Journals dialog opens in which you select the target of the copying process. You can select the target of the journal copy from the Year, Period, Scenario and Group or Company drop-down lists. Select group or company according to the journal list that you currently use. To start copying the journals, click **OK**.

Carrying forward journals

Journals that are copied by carry forward journals receive a new journal text that includes the journal number and the context of the source journal. This is the default setting. You can configure to keep the original text instead, if you select the check box Keep original text of carry forward journals in the Consolidation Project Settings.

Checksum report for companies and groups

The Checksum report is a standard view for companies and groups to create checksum reports. You use checksum reports to easily notify significant changes of data.

The checksum report applies to the data area that you select from the drop-down lists Year, Period, Scenario, Group or Company, and Consolidation stage.

To select multiple accounts for the checksum report, click **Select Accounts**. The Select Elements dialog opens. Here you can filter the displayed list of accounts by ID and name in the Filter by ID and Filter by name fields. Select the accounts in the list and click **Add selected elements** to add the accounts to the list below. To remove an account from the list below, select the account and click **Remove selected elements**. To add all accounts to the list below, click **Add all elements**. To remove all elements from the list below, click **Remove all elements**. To add the selected accounts to the checksum report, click **OK**.

Optionally, you can specify a password that is used to create the checksum values. The same report can be only re-created with the same password. When you use another password, other checksums will be created.

To create the report, click **Create report**. The created report shows the selected Report Context and the values of the selected context and accounts for the three areas Finance Data, Schedule Data, and Segment Data. Depending on the segmentation mode (parallel, hierarchical, or disabled) the Segment Data section varies.

Changed Functionality

Application Studio

These nodes of the Database Structure Pane can now be copied and pasted: Alias, Cube, Measure, Dimension, Set, Hiearchy, Level, List, Element Attribute, Variable List. Pasting into the spreadsheet inserts the unique name of the nodes.

Drag & drop functionality in Application Studio is unchanged except that dragging a Level to the spreadsheet now creates a hyperblock. Previously, it inserted the unique name of the level.

Drag & drop functionality in Office Plus is unchanged except that dragging a Set to the spreadsheet now displays the Insert Elements dialog. Previously it inserted the unique name of the set.

The Insert Elements dialog has been modified to allow inserting of either the unique name of the node or its elements.

Clustering

Clustering improvements have been implemented to improve the performance of, for example, conditional format calculations and data retrieval of sparklines.

Improved image object behavior

The **Depends on cell size and position** option did not always work correctly when row and column sizes were altered. This has been fixed.

Fixed Issues

Application Studio

Issue ID	Description	Incident ID	Solution ID	Category
-	This Service Pack cumulates fixes for several customer reported issues and other improvements and bug fixes. All fixes for previous versions of this product are included in this Service Pack, too. Please also check the Infor365 Solutions for the Version Histories of the previous product versions.	-	-	-
n.a.	There are several issues in help files and translations.	n.a.	n.a.	Fix

PM-RPTG-6032	The MEMBERCNAME formula doesn't work on a BPA database when the last parameter contains a cell reference.	n.a.	n.a.	Fix
PM-RPTG-6123	The Structure Filter of a Client List sometimes shows a wrong structure when editing the Client List.	n.a.	n.a.	Fix
PM-RPTG-6124	In some cases sub folders of a target folder disappear during drag and drop.	n.a.	n.a.	Fix
PM-RPTG-6289	In a script "listview.alias" returns the unique name instead of the element caption.	4708522	1042682	Fix
PM-RPTG-6327	Copy and Paste an area of a sheet containing a list view object doesn't work.	n.a.	n.a.	Fix
PM-RPTG-6356	An error message appears when connecting to a Microsoft 2000 Analysis Services database. The Support Level for this database type is "Viable" and will be set to "Unsupported" in the future.	4710245 4730481	1043002	Fix
PM-RPTG-6182	The connection to an Infor OLAP database doesn't work with a trusted certificate.	n.a.	n.a.	Fix
PM-RPTG-6399	In a certain customers environment no report can be opened after opening a corrupt report once.	4731345	n.a.	Fix
PM-RPTG-6416	After a conversion report margins may change by 1 mm.	4742827	1045126	Fix
PM-RPTG-6236	There are some conversion issues with folder print settings and report books.	4686664	1041415	Fix
PM-RPTG-6471	There is an issue with the global page numbering in the report book administration.	4712101	1042876	Fix
PM-RPTG-6513	There is an update issue in the DSConnector.	n.a.	n.a.	Fix
PM-RPTG-5853	The MEMBERNAME formula throws different error state results than in 10.1.6.	n.a.	n.a.	Fix

PM-RPTG-1553	WebServices: In a certain scenario the error message "IDBSchemaRowset::GetRowset()failed Error:34 Unspecified error Error:34.Could not log on." appears when trying to connect.	3278367	n.a.	Fix
PM-RPTG-5921	WebServices: The Cancel button is disabled when opening the "Change Password" or "Change Database Aliases" dialog for a second time.	n.a.	n.a.	Fix
PM-RPTG-6240	WebServices: There is an issue with the translation of the online help.	n.a.	n.a.	Fix
PM-RPTG-6550	WebServices: A certain defined button type leads to an error message.	4781936 4759739	1051166	Fix
PM-RPTG-6452	Repository: In a certain scenario the Repository Administration console throws an error message.	4752051	1045822	Fix
PM-RPTG-6530	Repository: The properties dialog for LDAP SSO provider does not open when upgrading from version older than 10.1.6.	n.a.	n.a.	Fix
PM-RPTG-5959	Repository: LDAP users and groups are not read by the LDAP provider.	4599983	1022029	Fix

Office Plus

Issue ID	Description	Incident ID	Solution ID	Category
-	This Service Pack cumulates fixes for several customer reported issues and other improvements and bug fixes. All fixes for previous versions of this product are included in this Service Pack, too. Please also check the Infor365 Solutions for the Version Histories of the previous product versions.	-	-	-
n.a.	There are several issues in help files and translations.	n.a.	n.a.	Fix
PM-RPTG-6353	There is crash when performing a specific sequence of Excel functions.	4338711	1043937	Fix
PM-RPTG-6301	In a specific environment when working with CTRL-x, -c and -v sometimes the error message "Attempted to read or write protected memory error." appears.	4607481	1039693	Fix

PM-RPTG-6258	In a certain scenario DBGET(C) is overwritten if multiple reports are open.	4682875	1040507	Fix
PM-RPTG-6255	There is an issue with write back on aggregated cells.	n.a.	n.a.	Fix
PM-RPTG-5865	For specific reports with DBGETC formulas which refer to other DBGETC formulas it may happen that F9 has to be pressed more than once in order to recalculate the report.	4484381	1012127	Fix
PM-RPTG-4818	The last DBGETC() formula in a column is overwritten by value after entering the value twice.	n.a.	953652	Fix
PM-RPTG-6457	There is an out of memory issue when very large reports are calculated.	4662136 4280918	955724	Fix
PM-RPTG-6499	When pasting data in a formula report, the "Paste Special" dialog is no longer available.	4731623 4640718	1024806	Fix
PM-RPTG-6492	Execute_MDX is not able to create a file.	n.a.	n.a.	Fix
PM-RPTG-5325	Office Plus adds up percentage measures instead of calculating the average in combination with certain rules. Now this behavior can be configured with a registry setting: 32bit OS: HKLM\Software\MIS AG\Plain\<Version>\axlc\General\ 64bit OS: HKLM\Software\Wow6432Node\MIS AG\Plain\<Version>\axlc\General\ AggregationMethod with string value "Aggregate" (behavior by default) or "Sum"	4516771 4508670	1010288	Fix
PM-RPTG-6490	When pasting data in a formula report, the "Paste Special" dialog is no longer available.	4731623 4640718	1024806	Fix
PM-RPTG-6612	KEY.GET formulas are not updated and shown after pressing F9 in a different worksheet when manual calculation is activated in Excel.	4770839	1052556	Fix
PM-RPTG-6727	For rare scenarios there is a calculation issue with the CELL.GETC formula.	4798467	1054274	Fix
PM-RPTG-6141	Repository: The version number of the Repository in the 'About' box of Office Plus is not correct.	n.a.	n.a.	Fix

PM-RPTG-5798	Repository: The write back setting in the Repository has no effect. Write back is always possible. (The write back setting on report level works.)	n.a.	n.a.	Fix
PM-RPTG-6530	Repository: The properties dialog for LDAP SSO provider does not open when upgrading from version older than 10.1.6.	n.a.	n.a.	Fix
PM-RPTG-5959	Repository: LDAP users and groups are not read by the LDAP provider.	4599983	1022029	Fix

OLAP

Issue ID	Description	Incident ID	Solution ID	Category
-	This Service Pack cumulates fixes for several customer reported issues and other improvements and bug fixes. All fixes for previous versions of this product are included in this Service Pack, too. Please also check the Infor365 Solutions for the Version Histories of the previous product versions.	-	-	-
PMO-LAP-1053	Requesting an attribute value fails when the dimension name contains a dot.	n.a.	n.a.	Fix
PMO-LAP-324	It is only possible to set OLAP database setting "MaxExportTileSize" via the "DB.ini" file of the regarding OLAP database.	3908269	723183	Fix
PMO-LAP-752	Attributes which are written via Application Studio cause issues with the NUMBR function in Infor OLAP rules.	4283060	952883	Fix
PMO-LAP-714	It is not possible to transfer the OLAP log to Oracle.	4314340	955559	Fix
PMO-LAP-835	If a user has restricted permissions on a dimension due to a Data Access Cube and there are parallel hierarchies in that dimension, the elements are shown several times.	4508978	n.a.	Fix
PMO-LAP-922	It is not possible to run two Event Agent instances on Windows Server 2008 R2.	4337590	1021288	Fix
PMO-LAP-956	There is an issue with copying a rules calculated base value.	4346091	1001631	Fix
PMO-LAP-1020	The VB function DataPutValue2 (mode 2) adds single quotation marks when writing a string value to a cube.	4645509	1042222	Fix

PMO-LAP-1034	If calling the VBA function NoteSet with value NULL for deleting of a cell note returns error 66 if there isn't a note and no value in the cell.	4710064	1045297	Fix
PMO-LAP-1052	There is an upgrade issue from 10.1.x which causes OLAP to crash when opening Application Studio reports which use specific filter settings.	4759265	1052791	Fix
PMO-LAP-1058	Attribute values cannot be retrieved if the dimension name contains dot.	n.a.	n.a.	Fix
PMO-LAP-1065	In some cases a Dimension rule gets lost when loading a 10.0.2 database.	4791533	1054170	Fix

Designer

Issue ID	Description	Incident ID	Solution ID	Category
-	This Service Pack cumulates fixes for several customer reported issues and other improvements and bug fixes. All fixes for previous versions of this product are included in this Service Pack, too. Please also check the Infor365 Solutions for the Version Histories of the previous product versions.	-	-	-
PMDES-8	Attributes are not created by the Designer when the string ends with blank characters.	3947447	725818	Fix
PMDES-310	There is an issue with redundant records in a table.	4041058	815740	
PMDES-529	The buttons Add parent, Remove Parent and Change Weighting which were available in 5.2 are missing.	4804173	1054818	

Consolidation

Issue ID	Description	Incident ID	Solution ID	Category
-	This Service Pack cumulates fixes for several customer reported issues and other improvements and bug fixes. All fixes for previous versions of this product are included in this Service Pack, too. Please also check the Infor365 Solutions for the Version Histories of the previous product versions.	-	-	-

10.3

New Functionality

Platform support changes

Operating systems:

- Windows 2003 server is no longer supported.

Database servers:

- Oracle 9 is no longer supported

Supported browsers:

- MS Internet Explorer 9.
- Mozilla Firefox 4

Application Studio

Report scheduling and delivery

Application Studio provides the ability for users in the web and in the installed client to schedule export, print and email of reports. For administrators Application Studio offers an interface to manage the report tasks of all users.

Web users are able to send exports of reports by email, simply by clicking a button on the toolbar. Application Studio offers exceptional report delivery with the new dynamic report books, which also help distributing reports to a bigger audience. With the dynamic report books, automatically the right report parameters are set for each recipient by the report book.

Sparklines

Sparklines are cells sized graphics which allow presenting much information in small space. With the sparklines the dashboard building capabilities of Application Studio improved strongly.

SharePoint integration

Application Studio provides a plug-in to integrate into MS SharePoint 2010. The plug-in provides ability to show reports in web parts, and to integrate report catalogue navigation in SharePoint Masterpages.

Immediate Writeback

It is possible to configure on global level, and by single report, whether data entry to web reports will be executed immediately, or only when pressing the Save button on the toolbar.

Refresh Ranges for Actions

Application Studio experts can now configure report actions to, that only certain pieces of a report will reloaded in the web, when the action is executed.

Online Help

An online help is available from the toolbar for web users now.

XMLA Support

Application Studio will support XMLA connections to Infor CPM Applications (Former Infor PM BPA Relational) and Infor OLAP Server (Former Infor PM OLAP). The new connection adds new functions to the connection to CPM Relational, new writeback methods, and cell notes support.

The XMLA also provides performance improvements for many types of reports against CPM Relational and OLAP Server.

Open Dialog Action

The Open Dialog" action allows opening an Application Studio report on top of another report. Using this action it is possible for example to open a detail report on top of a summary report, without the risk of losing the context of the summary report. Other use of the 'Open Dialog' action is to provide dialogs, using small reports. For example a report can serve as 'Enter Cell Note' dialog, or as 'Select Distribution Method' dialog in a planning scenario, and many other things.

Flexible Rows and Columns

The sizing behavior of rows and columns in the Application Studio spreadsheet improved. Rows can be configured to use 'Optimal' row height. With that setting the rows will adjust automatically e.g. to changing font sizes in a row, where in previous versions too big texts would be truncated. Additionally it is possible to set the size of rows and columns using variables. This configuration in combination with report actions, allows to easily show, hide, or resize cells in reports, without the need to use scripting.

Writeback Improvements

The writeback commands of Application Studio have been updated to be consistent with Office Plus. Writeback through the XMLA provider offers new writeback methods when writing back to CPM Applications.

Freeze Panes - Line setting

It can be configured now, whether a black line will be drawn automatically if the report contains frozen panes. If no black line is drawn, the report design alone controls how the frozen pane is presented.

New Spreadsheet Functions

New spreadsheet functions have been added to Application Studio, to provide more flexibility and functionality:

- CELLWRITE: This formula is similar to the WBC formula, but flexible concerning the notation of the dimensions in a cube.
- NOTEGET: This formula is similar to the RWN formula, but flexible concerning the notation of the dimensions in a cube.
- NOTEWRITE: This is a new formula, which allows to writeback cell notes within an action.

- CELLPROPERTYGET() allows to easily query a certain property of a cube cell. For example the formula can ask the Writable property from an OLAP Server cell.
- ReportObject.List.ListResult. This function calls all elements of a list into an XML table. Such table can then be read using the GETPROPERTYVALUES function to create for example a comma separated list of all elements in a combobox.

Chart Improvements

Charts can be configured as to whether hidden columns shall be included in the chart or not. Additionally the Sample data behavior in Design mode has been improved, to make creation of charts easier.

Improved Report Tree

The usability and functionality of the Report Tree in the installed Application Studio client has been improved in general. The folder structure is no longer restricted to three levels.

Drag & Drop from Preview

When creating static element lists in a spreadsheet, it is now possible to select several elements at a time in the preview, to drag them into the spreadsheet. When dropping the elements, it is possible to insert speaking element names (caption) or unique names, inserting in a vertical or horizontal direction.

Designer

Usability improvements

Several user interface parts of the Designer were complicated to use or did not work as the user expected it. The functionality and user interface will be improved to work more intuitively. This applies to the tree with the content, the main and context menus, the logging area and status bar as well as the wording and icons used in various places.

Adjust Attribute fields

In the past there was a difference between attribute field definitions in the Designer and in OLAP Server, for example concerning the length of Attribute Field Names. This will be aligned in the Designer so that it meets the current OLAP Server limits. (tentative)

Office Plus

Paste multiple values

During planning it's often needed to paste multiple values into the planning sheet. Office Plus will support this functionality in Ad-hoc and formula reports.

Excel aggregated reports

A new conversion method will be added which converts Ad-hoc reports to formula reports where the aggregated values are calculated using Excel formulas. This will result in lower data transfer between the database and Office Plus and also enable client-side spreading on these types of reports.

Client side spreading, locking and constraints

If client side spreading is enabled and values are entered on an aggregated cell, the spreading is done in Office Plus and only the resulting base values are sent to the database. This allows controlling the full spreading process on the client side and enables the usage of cell locking and setting constraints. The locked cells are not changed and the entered data is distributed between the unlocked cells. The constraints set borders for a cell and the spreading can change the value of it only within these borders. The locking and constrains have an intuitive UI the Office Plus toolbar.

Not immediate writeback

Office Plus allows switching between immediate and not immediate writeback modes. During immediate writeback the entered values are sent to the database and the changes are visible for everyone. In case of not immediate writeback the entered values are remembered locally which enables trying multiple scenarios without affecting other users. The locally remembered values can be easily cleared or updated to the database.

Distinction between planning and reporting sheets (enable writeback setting)

A new setting to distinguish between reporting and planning reports will be surfaced. The setting drives whether values on a report can be written back to the database or not.

Importing Excel Services Cell-based Reports into Office Plus

Office Plus is able to import Infor PM CBR sheets. During the import all CBR specific functions will be converted to their Office Plus equivalent. Custom scripts are not converted.

Caption support in formula reports

A new function will be added which converts captions to unique names. Using this function end-users can enter captions of elements and do not need to work with unique names.

Unicode and Extended Excel limits support

Office Plus will support Excel Unicode to interoperate with the Excel API. Unicode support enhances the usability of Office Plus for companies having multi lingual environments. For example; regional settings of each operating system must not be adjusted. Furthermore limitations in previous Excel versions will be improved by Microsoft constantly; therefore the communication between Office Plus and Excel was changed to support the extended number of rows, columns and cell sizes.

Insert elements

Modeling Office Plus reports is always time expensive if elements names and captions are needed. For example, creating formulas manually or defining a specific list of members. Office Plus will offer ability to "drag' and 'drop' elements from the preview and the OLAP pane. Furthermore lists of elements can be specified and inserted automatically to the sheet

Installation improvements

Office Plus is a client application in nature and is available as a single application setup to be installed separately from OLAP. The Installation process for customers using CPM Applications or Microsoft Analysis Server has been simplified. The installation of Office Plus always requires a Windows Update due to the fact that the Windows help file support must be updated with a Microsoft patch. The deployment has been enhanced to simplify the installation process of Office Plus and ensures that Office Plus is working correctly anytime

OLAP

The XMLA provider will replace the current ODBO provider. This removes the dependency on SIMBA and allows us to optimize the OLAP access for the Infor clients in the future.

Until now OLAP Server supported ca. 250 concurrent connections. This limit has been raised to 1000.

Consolidation

New features and improvements

- Capital Consolidation (Part 1): Manage participation changes. Participation changes can now be documented in detail in the standard including changes in equity and reserves. Journals can be linked to participation changes.
- New filters in journal lists allow to filter journals directly on the database by additional criteria.
- Performance and memory usage improvements. The journal list views have been improved to handle larger amount of journals much faster. The copy subgroup data function is now about 80% faster than in previous versions. The execution time of consolidation rules is now about 20% faster than in previous versions. Automatic calculation of group participation and effective ownership and control is around 95% faster than before. Also some other functions are faster than before.
- A new view in the client does now show the entire structure of groups. For every group or subgroup the holding and all directly and indirectly owned companies are shown in a hierarchical structure showing additional information as ownership and control, effective ownership and effective control, and consolidation method within the group.
- All patches and improvements for all prior versions are included.
- Infor BI Consolidation supports the Infor Business Intelligence platform

Repository Administration

The common Infor BI Repository Administration installation is needed by all applications. Because of the broad range of installation scenarios supported, the installation of Infor BI Repository Administration was not transparent to customers. Repository Administration will be covered as main feature within all setups to simplify the process.

Samples

The Infor BI Samples is a new set of samples and templates which is delivered the first time with Infor BI 10.3. It contains the former Infor PM Best Practices Templates, parts of the former OLAP model Genesis, and the training model TUTOR.

Best Practices

The Best Practices model covers the whole process of developing an Infor BI application:

- Starting with raw data of a customer’s sample database,
- Extracting and transforming data from that database and building a data model by using Infor BI Designer

- Creating an OLAP Server database with predefined dimensions and cubes for sales, cost and finance analysis
- Visualizing the data with Infor BI Application Studio in reports for analysis, data entry and even a dashboard based on that OLAP Server database.

The former 'Genesis' cube 'Analysis' has been added to the Best Practices OLAP Server model. The Analysis cube is used by the Self-training Tutorials.

The Best Practices model is set up so it can be used as a successor for MIS Enterprise Planning and SunSystem Budgeting & Forecasting for new implementations based on Infor BI.

The Infor PM Best Practices Templates sample consists of:

- The Infor 10 OLAP Server database ‘Best_Practices_Templates_Olap’
- The sample access database which serves as source for the OLAP ‘modelSampleCustomerData ‘
- The Repository database ‘Best_Practices_Templates’ which contains the Infor BI Designer model used to create, fill and maintain the Infor OLAP Server. The repository contains a set of Infor BI Application Studio reports and templates working on the OLAP model ‘Best_Practices_Templates_Olap’. Additionally the repository contains a set of sample reports on the MS Analysis Services 'Adventure Works' model in project 'MS Analysis Services Demo'.

You can install Infor BI Best Practices Templates using Infor BI Samples Setup. For installation details see Installation.

The Best Practices Templates is a sample model for the Infor Business Intelligence platform. As such, it has been tested and verified by our QA department, but it is covered neither by support nor any warranty.

TUTOR

The TUTOR OLAP Server model is used in trainings as are offered by Infor Academy or Infor ICS. The TUTOR model consists of:

- OLAP Server model ‘TUTOR_EN’ which provides the training model in English translation
- Repository ‘TUTOR_RepositoryDB’, which provides the OLAP Permission Management for the TUTOR model in all languages
- The OLAP model TUTOR is available additionally in these languages:
  - TUTOR_CS: Czech
  - TUTOR_DE. German
  - TUTOR_ES: Spanish
  - TUTOR_FR: French
  - TUTOR_JA: Japanese
  - TUTOR_ZH: Chinese Simplified
  - TUTOR_EA: on this English TUTOR model push rules have been defined to learn the Event Agent

Changed Functionality

Application Studio

Report Catalog Tree

The report tree of Application Studio has changed to a Microsoft conform behavior. That means that one can always create child-objects on the selected item. It is possible now, to create as many folder levels as needed.

The context sensitive menu on the report tree changed:

- When selecting a folder one can create folders and reports in that folder.
- When selecting a report, one can create snapshots and report links based on that report
- When selecting to create a new report, the “Create Report” dialog will open where one can
  - Enter a name
  - Enter a unique name
  - Select a style sheet
  - Select to create the report based on a template

  Note: The commands "New Template Report based Report", "New Style Sheet based Report", and "New Style Sheet based Report Template" have been removed. This functionality is provided by the "Create Report" dialog now.
- The term "Index" does no longer appear in the user interface of Application Studio.
- It is possible to duplicate a selected report by pressing CTRL+D

  Note: It is no longer necessary to create a report by selecting an existing report and pressing ENTER. Instead press INSERT to create a report

Open reports behavior

By default all items in the report tree open on a single click and on right-click. It is possible to change the behavior to that items open on double-click. If items open on double-click, the context sensitive menu can be opened on all items, without opening the selected item. E.g. you can copy a report, without opening it first.

To change the open items behavior go to **Extras > Settings > Report Pane**.

Select the wanted behavior in group **Open reports as follows**.

New Report Catalogue Tree items

Reports

This is a new system folder which cannot be deleted. All reports and folders below this folder are shown to Report Viewers. The Reports folder is invisible to Report Viewers.

Report Books

This is a new system folder which cannot be deleted. It contains folders and report books. The report books replace the previous concept of folder print. For PM Application Studio 10.1 folders which contained print settings, automatically reports books are created during the update process. Please refer to Infor BI Installation and Migration Guide.pdf for details of the conversion.

Scheduled Tasks

This is a new system folder which cannot be deleted or renamed. It is possible to create scheduled tasks in Application Studio, which will execute single reports or report books.

The “Scheduled Tasks” folder is only visible to users with the permission to create scheduled tasks.

The “Scheduled Tasks” folder has two system subfolders:

- My Scheduled Tasks

  This folder lists all tasks which have been created by the currently logged on user. The “My Scheduled Tasks” folder is only visible to users with the permission to create scheduled tasks. It is possible to create new scheduled tasks using the context sensitive menu on the folder, or using the toolbar.

- All Scheduled Tasks

  This folder lists all scheduled tasks of all users of a report catalogue. The “All Scheduled Tasks” folder is only visible to users with the permission to administer scheduled tasks.

Properties

Translate report and folder names

It is possible to edit the localized and unique names of folders and reports in the “Rename” dialog using right-click > “Rename…”.

Folder Unique Names

It is possible now to edit the unique names of folders, using the Property pane or the “Rename” dialog.

Edit Texts

The Edit Texts dialog has a new design which offers additional functionality like search for certain strings and improved display of different languages.

Properties Dialog

The report properties have been moved into the Properties pane. The Report Properties dialog is no longer available.

Export and Import

The new free folder structure affects export and import of report packages. The Import command on folder will always import INTO the selected folder, consistent with the general change to the Report tree behavior.

On a report catalogue only Content packages can be imported. It is not possible to report package files without content definition.

Designers of Content packages now have to maintain folder unique names to designate the destination folder for a content package.

New package „types" for scheduled tasks and report books, too.

Database Structure

Database Alias to OLAP Server

Connect to OLAP Server 10.1

Connection to PM OLAP 10.1 is possible through native and through ODBO, as in PM Application Studio 10.1.

Connect to OLAP Server 10.3

Connection to PM OLAP 10.2 is possible through native and through XMLA. The Event Agent State combo-box is not shown for the PM OLAP XMLA driver.

Note: It is not possible to connect to OLAP Sever 10.3 via ODBO.

Database Alias to PM Relational

Connect to PM Relational 10.1

Connection to PM Relational 10.1 is possible through DSConnector (ODBO), as in PM Application Studio 10.1.

Connect to CPM Relational 10.3

Connection to CPM Relational 10.3 is possible through XMLA.

Note: It is not possible to connect to CPM Relational 10.3 via DSConnector (ODBO).

Database Alias to MS Analysis Services

Connection to Ms Analysis Services is possible through XMLA and ODBO.

New Database Structure Items

The Database Structure contains a new system folder “Database Aliases” folder, which cannot be deleted or renamed. The folder contains all database aliases which have been defined in the project.

Accessories

Note: It is no longer possible to create variables by selecting an existing variable and pressing ENTER. Instead press INSERT.

It is possible to duplicate a selected variable by pressing CTRL+D.

User Interface Frame

The panes of Application Studio, like the Properties pane, Repository Explorer, are now freely dockable. All panes support automatic hiding.

Toolbar

Some toolbar buttons have been renamed

Old Name	New Name
Report View	View
Quick View	Preview

Old Name	New Name
Definition View	Design

The Export button has been added to the toolbar. This button provides access to PDF Eport, Excel Export, the Export Wizard and other export formats.

Accessories

Note: It is no longer possible to create variables by selecting an existing variable and pressing ENTER. Instead press INSERT.

It is possible to duplicate a selected variable by pressing CTRL+D.

User Interface Frame

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Some toolbar buttons have been renamed:The Export button has been added to the toolbar.

Old Name	New Name
Report View	View
Quick View	Preview
Definition View	Design

The Export button has been added to the toolbar. This button provides access to PDF Eport, Excel Export, the Export Wizard and other export formats.

Folder Print

The Folder Print Wizard has been replaced by report book printing functionality:

In the web the Folder Print Wizard has been replaced by the Export Wizard, which is able to print report books, or a range of elements for single reports.

In the installed client, the Export Wizard provides functionality to export a report book or ranges of a single report. When selecting a report book in the installed client, and clicking “Print”, the Print Wizard will open.

The report action “Print Folder” has been changed to “Print Report Book” action, which opens the Export Wizard, where the “Print Folder” action used to export a folder. This change happens automatically when updating to 10.3 0.

Note: It is no longer possible to print out folders directly. To be able to use a folder in the Export or Print Wizard, create a report book based on the folder.

Report Export Manager

The Report Export Manager (REM) has been replaced by “Scheduled Tasks” which are stored in the report catalogue.

Note: Application Studio no longer supports REM jobs.

Existing 10.1 REM jobs can be converted to Scheduled tasks, by importing them into the Scheduled Task folder. Details are described in the *Installation and Migration Guide*.

Note: Application Studio Scheduled tasks do not support 3rd party scheduling services, but only the Infor BI Scheduling Services, which installed by the Application Studio Setup.

Writeback

Report Definition

Row and Column sizes

Application Studio supports flexible columns and rows. That means it is possible to change row and column sizes at report runtime.

The dialog for defining row/column size has changed:

- There is no Default size for rows any more. Instead there is the option to select “Optimal” row height. Optimal row height adjusts to the content of the cells.
- It is possible to control size of rows/columns via variables.

Refresh in Definition View

After opening a report in definition view, values are not retrieved from the DB, the stored values are shown. To read fresh values F9 has to be pressed.

Settings Dialog

The dialog “Settings for user…” has been renamed to “Settings”. You can find the dialog under “Extras > Settings”.

The dialog’s design has changed.

Jump Actions

A Jump action which refers to the report itself will force a recalculation of the report. In PM 10.1 such jump did not force a recalculation.

Note: This can lead to more report calculations or a report, than in PM 10.1. In cases where no recalculation of the report is required, replace the Jump to report itself with “Set Parameters” action.

WebServices

Scrollbars

Report scroll bars appear automatically only if the report content is larger than the report window. In former version report scroll bars have been shown always.

Supported Browsers

Internet Explorer 6 is not supported.

Help Button

The Application Studio WebServices toolbar contains a new Help button now.

Office Plus

Open/Save Dialog

The Open/ Save dialog of Office Plus has changed. The previous dialog has been replaced with a totally new design.

The Office Plus Save dialog will be used always when users click Save As button or Press CTRL+S, if the file has a format which Office Plus supports. For file formats unknown to Office Plus, the MS Excel Save dialog will open.

The Office Plus "Open" button opens the Office Plus "Open" dialog. The MS Excel "File > Open" command will open the MS Excel "Open File" dialog.

Formula Report Conversion

In the conversion of Ad-hoc Reports to Formula report, the naming of the conversion methods changed:

Old name	New name	Description
MDX.EXECUTE	Query Based (MDX.EXECUTE)	Same behavior as in 10.1
CELL.GET	--	This conversion method is no longer available. CELL.GET formulas can still be created manually, e.g. using the Formula Wizard.
CELL.GETC clustered	Cell Based (CELL.GETC)	Cell based formula report are created using CELL.GETC formulas, which provide better performance, especially in big cell based reports, due to clustered execution.

Old name	New name	Description
CELL.GETF formatted	--	This conversion method is no longer available. CELL.GETF formulas can still be created manually, e.g. using the Formula Wizard.
CELL.GETFC clustered and formatted	--	This conversion method is no longer available. CELL.GETFC formulas can still be created manually, e.g. using the Formula Wizard.
	Planning	This is a new conversion method. This method creates a formula reports where the leaf cells of the report are created with CELL.GET formulas. All aggregations in the report are represented by Excel formulas, like sums or similar functions. This new report type is prepared for client side distribution of values when writing back values to the database.

Fixed Issues

Overview

Fixed issues were not published separately for this version.

10.1.7

Platform support changes

The *Platform Support Guide* provides detailed information on the platforms and patch levels supported by Infor PM and is considered the final authority in case of discrepancy.

There is a significant change in platform support for this release. Infor PM has certified support for Internet Explorer 9.0. Additionally, Application Studio is certifying support for Mozilla Firefox. See the Platform Support Guide for details.

Performance Management

The primary focus of this service pack release is platform support and customer defect correction.

Fixed Issues

Application Studio

Issue ID	Description	Incident ID	Solution ID	Category
n.a.	There are several issues in help files and translations.	n.a.	n.a.	Fix
PMRPTG-6427	Repository: In some cases a databases appears twice in the Create Repository Wizard.	n.a.	n.a.	Fix
PMRPTG-6323	W ebServices: Loading very large dimensions leads to a performance issue in the Pick List Manager.	4369956	1004247	Fix
PMRPTG-6184	During iport a specific package the application crashes.	n.a.	n.a.	Fix
PMRPTG-6009	Application Studio crashes in one specific report after migration from onVision 4.1 to Application Studio 10.1.7.	4612960	1022555	Fix
PMRPTG-5963	Repository: There is a specific LDAP issue which leads to the error message "The sort property value cannot be determined".	4599983	1022029	Fix
PMRPTG-5834	According to documentation the "Add children" option in revolving selection definition in a client list should return all descendants but only children are returned.	n.a.	n.a.	Fix
PMRPTG-5638	WebServices with constraint delegation in an environment with Windows authentication doesn't work. Please read Solution 1017303 for further information and instructions how to setup such an environment.	4330457	1017303	Fix

PMRPTG-5585	W hen a POV contains a client list that displays attribute names from an OLAP database and a user does not have permission to see at least one member of the dimension (restricted in an OLAP DAC cube), an error message appears when opening a report containing the POV.	4562721	1016517	Fix
PMRPTG-5420	Under special conditions with large Client Lists the Web Services process might freeze.	4511176	1012221	Fix
PMRPTG-5412	WebServices: For very small column width it might happen that text in a cell overlaps other cells.	3864594 4523009	n.a.	Fix
PMRPTG-5315	WebServices: A report is not rendered in WebServices when a text with a line break is queried from a relational source.	4487968 4549157	1010923	Fix

Issue ID	Description	Incident ID	Solution ID	Category
PMRPTG-5208	W ebServices: In the DirectLinkManager uncheck "Allow manual logon" leads to an error message.	n.a.	n.a.	Fix
PMRPTG-5207	W ebServices: The Parameters and Values pane in ExportWizard doesn't update properly if nothing is selected.	n.a.	n.a.	Fix
PMRPTG-5186	In some cases editing POV setting can lead to an unhandled exception.	4487528	1008558	Fix
PMRPTG-5176	WebServices: For a specific customers report button clicks in WebServices leads to a different result than in Application Studio.	4459625	1006191	Fix
PMRPTG-5106	Printing with the PDF Converter fails on Windows 2003 R2 64 bit. A new version 4.5.1.0 of the PDF Converter has been included. After uninstalling please check if the former version has been uninstalled. A reboot might be necessary.	4312305	1005482	Fix
PMRPTG-5080	T he PovSelectionChange event behaves different in Application Studio and W ebServices.	4383789	1007250	Fix
PMRPTG-5062	Fonts in charts are not displayed correct for higher resolutions.	4458515 4635837 4324702	1007178	Fix
PMRPTG-5008	WebServices: There is an issue in the action menu handling if the selected action opens a dialog.	n.a.	n.a.	Fix
PMRPTG-4892	A specific IF formula leads to a crash.	4364161	1003895	Fix

PMRPTG-4832	WebServices: In some cases the regional settings are not correctly handled.	4364146 3855493 4127241 3785158	n.a.	Fix
PMRPTG-4791	In some rare cases after making a selection change in a combo box the combo box does not close.	4332096	1002295	Fix
PMRPTG-4687	A selection change of a combo box with a Client List is not processed if elements have the same attribute value.	4338016 4326957	95609 4	Fix
PMRPTG-4604	Creating and deleting a report snapshot causes an issue in a customer's repository.	4021840 4479620	808792	Fix
PMRPTG-4602	W ebServices: In a customer's environment the POV combo box doesn't close.	4142673	939642	Fix
PMRPTG-4601	WebServices: In some cases an action for a button click when write back is enabled cannot be executed.	n.a.	n.a.	Fix
PMRPTG-4600	W ebServices: The DirectLink capitalizes the unique name to open the report but this doesn't work with an Oracle 11g R2 repository.	n.a.	n.a.	Fix
PMRPTG-4598	"Find Element" on a dimension in a BPA 10.1.5 database leads to an error message.	n.a.	n.a.	Fix
PMRPTG-4558	In some cases users are able to see the SQL password in the connection string of an alias.	4321110	955723	Fix

Issue ID	Description	Incident ID	Solution ID	Category
PMRPTG-4332	Opening an exported Excel file (which was exported via Export Report Action) with F irefox 3.6 fails. This is due to different language setting on the client and the server.	n.a.	n.a.	Fix
PMRPTG-4153	W ebServices: The Select Element dialog is not resizable.	4184614 4655825	944459	Fix
PMRPTG-4122	Copy and paste of an Action (Report Jump) that contains a cell reference fails: #REF is displayed in the cell instead of cell value.	4635981 4231830	948718	Fix
PMRPTG-2656	T here is an issue with client lists on a BPA databases where "elements in order of definition" is defined.	3972390	807644	Fix

PMRPTG-1336	Repository: The description of media content cannot be edited via the Infor PM Repository Administration.	n.a.	3774948	Fix

Designer

Issue ID	Description	Incident ID	Solution ID	Category
PMDES-504 PMDES-471 PMDES-397 PMDES-336	There are some special installation issues.	n.a.	n.a.	Fix

Office Plus

Issue ID	Description	Incident ID	Solution ID	Category
n.a.	There are several issues in help files and translations.	n.a.	n.a.	Fix
PMRPTG-6442	New Ad-hoc Report dialog: Cube list is not sorted and the cube could disappear after the selection	n.a.	n.a.	Fix
PMRPTG-6438	Ad-Hoc Report: "Display mode" with chart leads to an Excel crash	n.a.	n.a.	Fix
PMRPTG-6437	Create Ad-Hoc Report / on a slicer dimension edit Structure Selection in List Designer / don't apply changes / click in Report Catalog pane / apply changes -> Unhandled Exception	n.a.	n.a.	Fix
PMRPTG-6352	Under special circumstances a customer's report leads to a crash when recalculating this report.	4338711	1043937	Fix
PMRPTG-6260	Cell.Write with cell reference as write back value parameter does not work.	n.a.	n.a.	Fix
PMRPTG-6220	In some rare cases after pressing Enter a write back value is not written to the database.	n.a.	n.a.	Fix
PMRPTG-6219	In a special scenario DBGET(C) is overwritten if multiple reports are open.	4682875	1040507	Fix
PMRPTG-6196	In a specific environment when working with CTRL-x, -c and -v sometimes the error message "Attempted to read or write protected memory error." appears.	4607481	1039693	F ix

PMRPTG-6137	An error "Unknow error 0x800A03EC" appears in AdHoc reports for which attributes are enabled, a template is used and nested dimensions are defined.	4639457	1025029	F ix
PMRPTG-6125	T he search function always searches for the initial element and the selected instead of the selected only.	4625070	1023944	F ix
PMRPTG-5820	For specific reports with DBGETC formulas which refer to other DBGETC formulas it may happen that F9 has to be pressed more than once in order to recalculate the report.	4484381	1012127	F ix
PMRPTG-5744	Attributes are not shown correct when Caption Style "Attribute with drill-down indicator" is used.	4348220 4338073	1007891	Fix
PMRPTG-5686	In the dimension browser it is not possible to save a selection as subset.	4577122	1017990	Fix
PMRPTG-5537	When the Splasher AddIn is not loaded a VBA script in order to delete a row in a formula report leads to an error message.	4550055 4607481 4614854	1015633	Fix

Issue ID	Description	Incident ID	Solution ID	Category
PMRPTG-5532	An Ad-Hoc report conversion fails in Excel 2007, if the save format is set to XLS instead of XL S X .	n.a.	n.a.	Fix
PMRPTG-5485	Excel crashes when moving a chart into a report using MDX EXECUTE.	4495371	1012513	F ix
PMRPTG-5459	A specific workbook which uses VBA code leads to a crash when the Excel debugger is running.	4540183	1013767	F ix
PMRPTG-5380	Data process fails when an element name starts with "0".	4482978	1007332	Fix

PMRPTG-5378	Data processing does not work when an element name contains numbers and a dot.	4482966	1007330	Fix
PMRPTG-5325	Office Plus adds up percentage measures instead of calculating the average in combination with certain rules.	4516771 4508670	1010288	Fix
PMRPTG-5310	If Office Plus is loaded copy and paste in Excel doesn't work any more. This happens in Excel 2003, 2007 and 2010 but not in Excel XP.	4493055	1008811	Fix
PMRPTG-5309	In Excel "Undo" is disabled after working with the Office Plus Plug-In.	4481213	1007533	Fix
PMRPTG-5258	Process Data from Cube doesn't work properly.	4472554	1007557	Fix
PMRPTG-5256	An error "Specified cast is not valid" appears when inserting a row in a workbook.	4500043 4523944	1009616	Fix
PMRPTG-5218	A specific formula report is saved twice when the Excel save button is pressed.	4362006	1009185	Fix
PMRPTG-5202	W hen pasting values with Ctr+M or Ctr+V into an Alea Ad-hoc view while the Splasher is disabled, Office Plus crashes.	4506169 4482223	1007669	Fix

PMRPTG-5193	An error occurs when adjusting an Alea Ad- Hoc report by selecting other elements in the header dimensions.	4487978	1008599	Fix
PMRPTG-5169	T here is an issue in the 64bit silent setup.	n.a.	n.a.	Fix
PMRPTG-5119	In some cases a DBGET formula can be overwritten by a value.	4481216	1007512	Fix
PMRPTG-5096	It is not possible to open a view if there is no Excel sheet open.	4350901	1003118	Fix
PMRPTG-4949	T he Dimension Browser allows to open the "Edit Attribute Record" dialog (by pressing F2) even if the user only has the effective Repository permission "view" and "write values".	4381435	10046 5	Fix
PMRPTG-4941	Switching off template lets Alea Ad Hoc report disappear.	n.a.	n.a.	Fix
PMRPTG-4867	A wrong value is calculated when looping 5,5041E-10.	4351594	1003379	Fix
PMRPTG-4807	T he DE.NAME formula does not work when regional settings are changed.	4334737 4627091	1002645	Fix
PMRPTG-4786	If a dimension contains an element with 71 characters	4355911	1002012	Fix

	and a special character it is not possible to add new elements to this dimension when editing it in Excel (.ald).			
PMRPTG-4704	A certain script does not work anymore after migration from onVision 5.2.3 to Application Studio 10.1.6.	4324720	1000750	Fix

Issue ID	Description	Incident ID	Solution ID	Category
PMRPTG-4699	T he Find and Replace dialogs are filled with the wildcard * by default. This is dangerous because if a user wants to replace and is not careful and removes the *.	4329505 4354051	956380	Fix
PMRPTG-4697	B y default the Find Dialog searches through the whole workbook instead of just the selected worksheet.	4329505	956376	Fix
PMRPTG-4696	T he folder tree in the Open- / Save dialog is always expanded. This is not Windows standard behavior.	n.a.	n.a.	Fix
PMRPTG-4677	On the 32bit version of Windows 7 Office Plus crashes when opening the search dialog.	4329474	999680	Fix
PMRPTG-4651	Under special circumstances the mdx.ini setting SaveViewWithout-	4312472	999322	Fix

	Values=1 leads to strange behavior during saving a report.			
PMRPTG-4603	T here is a performance issue when opening and calculating a specific Ad Hoc report with nested dimensions.	4116432	816347	Fix
PMRPTG-4496	T he question "Do you want to save the changes..." appears even if closing a report w ithout changes.	4298246	954540	Fix
PMRPTG-4451	T here is an issue with saving and closing CSV files.	4298258	953659	Fix
PMRPTG-4449	T he last DBGETC() formula in a column is overwritten by value after entering the value t w ice. This was already fixed in a former version (see patch from 2011-04-12). This new fix solves the issue also for Office Plus in Excel XP and Excel 2003.	n.a.	953652	Fix
PMRPTG-4248	W hen copy/paste a DBGETC formula and more then one sheet is selected the following error message occurs: "Activate method of Range class failed".	4253842	950162	Fix
PMRPTG-4197	The new name of a renamed report is shown in the Re-	4229763	949568	Fix

	port Catalog window but at the top of the report the old name remains.

OLAP

Issue ID	Description	Incident ID	Solution ID	Category
PMOLAP-673	When starting an OLAP database and it's permission management is located on an Oracle repository and the Oracle client is not installed correctly the server stops working.	n.a.	n.a.	Fix
n.a. (PMOLAP-609)	One element still remains in a set, even though its parent got removed.	n.a.	n.a.	Fix
PMOLAP-615	W hen a rule calculated element is defined in a report the ALEAPR protocols an "Unexpected situation" error.	4178830	946268	Fix
PMOLAP-806	The "OnAttributeChange" event doesn't trigger correctly when an attribute has been changed.	4381482	1005233	Fix
n.a. (PMOLAP-309)	For support reasons the saving behavior of the alealog.tmp has to be changed.	n.a.	n.a.	Fix
PMOLAP-695	T here are some performance issues with a specific customer database.	n.a.	n.a.	Fix
PMOLAP-875 PMOLAP-876	In the new rules engine there is a performance issue with the ABS function.	n.a.	n.a.	Fix
n.a. (PMOLAP-877 PMOLAP-775)	There is a memory leak in OLAP server when running the Consolidation.	n.a.	n.a.	Fix
PMOLAP-899	Saving a specific huge customer dimension takes up to 4 minutes and Aleapr.txt shows an "Unexpected situation" error.	n.a.	1018582	Fix
PMOLAP-928	There is a memory leak: The memory consumption increases after each import. The algorithm doesn't handle the attribute records of deleted elements correctly.	4192620	951811	Fix

n.a. (PMO-LAP-946)	There is a performance issue with calculated values.	4626939 4601408 4613311 4575041 4647622 4665114 46711 2 4680122	n.a.	Fix
n.a. (PMO-LAP-979)	When acceleration is disabled it may happen that under specific circumstances an error 28 appears in the Log file.	4678929 4702233	1040347	Fix
PMOLAP-829	In some cases an element of a parallel hierarchy is shown several times in a subset.	4508978	n.a.	Fix

Issue ID	Description	Incident ID	Solution ID	Category
PMOLAP-751	Attributes which are written via Application Studio cause issues with the NUMBR function in OLAP rules.	4283060	952883	Fix
PMOLAP-709	There is an issue when importing string values which contain a line-feed.	4301367 4306954	955219	Fix
PMOLAP-642	In some rare cases the Edit Database Registration dialog damages saved, non-empty passwords.	n.a.	n.a.	Fix
PMOLAP-252	In the Administration the language for the server cannot be set to "046 - Portuguese (Brazil)".	n.a.	n.a.	Fix
PMOLAP-157	There is an issue with upgrading MIS Alea 5.2 to Infor PM OLAP 10.1.x.	3844418 3245613 2765886	n.a.	Fix
PMOLAP-4	In some rare cases there is an issue when splashing with Weighted Distribution.	3818466	n.a.	Fix
PMOLAP-606 PMO-LAP-675 PMOLAP-	There are some minor performance and memory usage issues.	4174729 n.a. n.a.	945584 951811 n.a.	Fix

867 PMO-LAP-965	n.a.	n.a.

Repository

Repository fixes are described in the Fixed Issues documents of the affected products. Please refer to the relevant Fixed Issues document.

10.1.6

Platform Support Changes

The *Platform Support Guide* provides detailed information on the platforms supported by Infor PM and is considered the final authority in case of discrepancy.

There is a significant change in platform support for this release. Infor PM has added support for Office 2010. See the *Platform Support Guide* for details.

Performance Management

The German and Japanese Language Packs have been updated for this release.

PM Applications

Business Edition

Eleven SQL Server Reporting Services pre-built reports have been added to the Business Edition sample application. The new reports are:

- Actual vs. Budget Income Statement
- Actual vs. Budget Balance Sheet
- Actual vs. Budget Cash Flow
- Periodic/YTD Actual vs. Budget Income Statement
- Periodic/YTD Actual vs. Budget Balance Sheet
- Periodic/YTD Actual vs. Budget Cash Flow

- Monthly Activity Analysis
- Quarterly Activity Analysis
- Twelve Month Activity Analysis
- Organization Structure
- Statement Definition

PM Workstation

The consolidation process has been improved for better handling of ownership consolidations.

- First, the ownership consolidation process now respects the ownership structure when consolidating to a sub consolidation node such as a regional node by including partially owned units.
- Second, the intercompany eliminations process now follows the ownership consolidation structure rather than the organization structure built in Architect. The result is that the posting of intercompany elimination journals will follow the same consolidation path as the intercompany data.

These changes may produce different results at sub consolidation nodes depending on 1) how closely the Architect organization structure matches the ownership consolidation structure or 2) if sub consolidations encompassing partially owned, disconnected units were previously run.

OLAP

The behavior of the setting "Remove copies in OLAP subsets" has changed. The new algorithm follows this rule:

Duplicates of members will be removed from the set except:

- If there are multiple times the same element - but always without parents - in the subset (OLAP Server chooses an arbitrary member to keep).
- If there are multiple times the same element, but always with parents (OLAP Server will not remove these members).
- If there are multiple times the same element - some with parent, some without - in the subset (OLAP Server removes those members without parents in the subset).

OLAP Consolidation

When using the automatic sub-group consolidation feature users who could not see all groups and companies due to restricted permissions got errors when running the sum of all companies function in some cases. This can now be avoided by using a privileged user which can be configured in the Infor PM Designer for OLAP Consolidation and granting the corresponding permission in the OLAP Consolidation Permission Management section in the Infor PM Designer or Infor Repository administration console.

Designer

In previous versions there was a difference between attribute field definitions in Designer and OLAP Server. For example, the length of Attribute Field Names. This is now aligned in Designer so to meet the current OLAP Server limits.

Fixed Issues

Application Studio

Issue ID	Description	Incident ID	Category
PMRPTG-2375	In a customers repository appear duplicate text elements in PM Repository Administration.	3779232 3874781	Hotfix
PMRPTG-871	In a specific customers report a chart is not shown when the report is opened a second time. This is due to a specific construction of hyperblocks which lead to a wrong calculation order.	3240589	Hotfix
PMRPTG-2507	Deleting charts in nested Hyperblocks lead to a display problem in definition view.	3983861	Hotfix
PMRPTG-2491	For the internal communication with future versions of Consolidation new scripting methods had to be added.	n.a.	Hotfix
PMRPTG-2463	Application Studio crashes when a specific customer report with pie chart and transparent background is printed. This only happens with updated rmodels and cannot happen with new created reports.	3976612	Hotfix
PMRPTG-2445	W ebServices: The hourglass cursor is not shown in reports with fixed panes when activating a specific report jump.	3947353	Hotfix
PMRPTG-2642	W hen an alias is named in a way that its name is prefixed by other alias name the splasher dialog does not work well with this alias.	n.a.	Hotfix
PMRPTG-3077	WebServices: Typing a minus sign in a write back cell does not activate the cell edit mode in Application Studio WebServices.	4084316	Hotfix
PMRPTG-3527	W ebServices: In a specific customers environment displayed values are not correctly rounded.	4077801	Hotfix

PMRPTG-3144	WebServices: When a specific customers report is opened and a change to a local list is made all picklists using global lists are reset to an empty list.	4090077	Hotfix

Issue ID	Description	Incident ID	Category
PMRPTG-2897	In a Terminal Server environment it can happen that Application Studio freezes after minimizing it for a longer time and maximizing it again.	3959836	Hotfix
PMRPTG-3064	WebServices: Executing a jump in WebServices to an inaccessible report stops a specific script.	n.a.	Hotfix
PMRPTG-3142	W ebServices: In a customers report the picklist buttons in WebSevices are not shown as buttons but as links when opening the report for the first time.	4090077	Hotfix
PMRPTG-3331	WebServices: On Windows 2008 R2 it can happen that PDF printing in WebServices leads to an error message: "Could not load PDF file. Reason: Cannot print report; reason: The name of the printer is invalid." (A workaround is possible: PDF in WebServices will work if once a report is send to the PDF printer from Application Studio.)	4160522 4126614 4172189	Hotfix
PMRPTG-2985	Some relational queries are executed up to 4 times.	4059602	Hotfix
PMRPTG-2861	When connected with a BPA data source it happens that users are logged off from Application Studio during work.	n.a.	Hotfix
PMRPTG-4065	WebServices: In some cases during write back a browser message appears: "Are you sure you want to navigate away from this page?". This message should not appear.	4203752	Hotfix
PMRPTG-4089	WebServices: In a specific customers scenario (using an ISA 2006 Server to redirect URLs) for some subsidiaries an http 500 error is thrown when trying to connect to the web server.	4171063	Hotfix
PMRPTG-1647	Users cannot be added in the Administration Console using the LDAP provider. Only groups are listed and the relationship between users and groups cannot be read from the directory.	3828289 3799600	Hotfix
PMRPTG-2482	For a specific combination of dependent relational lists the list views are not updated after recalculation of a report.	3960584	Hotfix

PMRPTG-2323	In some scenarios it can happen that the first write back to a database cell needs significiant more time than later write backs to the same cell.	3807510	Hotfix
PMRPTG-673	The native list designer always uses the same attribute table when the same field name is used in attribute of several tables. It is not possible to reference a particular field.	3141856	Hotfix
PMRPTG-2143	There in a problem with the calculation of conditional formatting causing invalidation of calculated conditional formats cache. This causes crashes during paint and export.	3780174	Hotfix
PMRPTG-2999	In picklists in WebServices the 'Select Elements - Webpage Dialog' window only displays the first 22 characters of the member name, followed by "...."	4061476	Hotfix
PMRPTG-3728	The Scripting method to set the width of a picture does not work as expected.	4179557	Hotfix
PMRPTG-1909	During update "BSA Update SQL Server.sql" should not be overwritten by an older version.	3859135	Hotfix
PMRPTG-2145	A warning about ID changes must be displayed before an import of a project is executed.	3908972	Hotfix

Issue ID	Description	Incident ID	Category
PMRPTG-2134	"Add children" in a Native Client List in a revolving selection can cause a performance inssue.	3903097	Hotfix
PMRPTG-3123	Comboboxes are initially shown empty in WebServices when they are linked to a global list and a pick lists.	4087676	Hotfix
PMRPTG-2427	The font for data entry in an unprotected cell cannot be changed permanently.	3969094	Hotfix
PMRPTG-3619	In some cases XML export and import causes objects to be moved within the report.	4165422	Hotfix
PMRPTG-3702	In rare cases PDF printing via WebServices doesn't work immediately.	4087392	Hotfix
PMRPTG-2575	In WebServices List Views the scroll bar knob is not in the correct possition when a selection is predefined.	3993489	Hotfix
PMRPTG-3496	A Drilldown in a hyperblock causes a "fading" behavior in W ebServices when using IE8.	4150043	Hotfix
PMRPTG-2946	Application Studio crashes when report template is deactivated via script in a selection change event.	4024732	Hotfix

PMRPTG-2449	The Formula wizard does not display current selection when non-default hierarchy is referenced in an ROC formula.	3972270	Hotfix
PMRPTG-3024	Application Studio crashes in a certain report after inserting more than one value with copy and paste.	4035844	Hotfix
PMRPTG-3091	An error appears when using the Paste Special function, AppStudio runing in Spanish.	4068780	Hotfix
PMRPTG-3344	When a column is hidden to the left of a hyperblock, hyperlinks are not displayed in blue. Moving the mouse over the link produces a hand (indicating a link) and the links continue to function, but the text cannot be identified as a hyperlink.	4118416	Hotfix

Designer

Issue ID	Description	Incident ID	Category
PMDES-301	It was not possible to use hyphens for dimension and cube names in Designer	4095153	Hotfix

Office Plus

Issue ID	Description	Incident ID	Category
PMRPTG-3200	A specific macro throws the error message "Method 'Undo' of object '_Application' failed" several times.	4094971 4093121	Hotfix
PMRPTG-3151	In some cases Office Plus crashes when moving a dimension from the header dimensions to the row dimensions as second dimension.	4045144	Hotfix
PMRPTG-3057	Under special circumstances an MDX error appears when trying to open complex ad-hoc reports.	4070579	Hotfix
PMRPTG-2945	The "Multiple Selection" function in an Ad Hoc report has been used to select one member with a negative w e ight ("Unary Operator") and one regular member. The calculated sum of both values of the members is w ron g because the negative weight is ignored and instead handled as a positive sum in this scenario.	4043998	Hotfix

Issue ID	Description	Incident ID	Category

PMRPTG-2941	No values are displayed after using MMEMBER.CNAME with only one calculated member.	4043979	Hotfix
PMRPTG-2684	For an Ad Hoc report with enabled zero supression and enabled options "Include calculated elements" and "Supress calculated elements using 'NonEmptyCrossJoin' (fast)", the view don't show any values.	3989105	Hotfix
PMRPTG-2648	In a customers Citrix environment inserting an empty row in a formula view throws the error message: "Attempted to read or write protected memory. This is often an indication that other memory is corrupt." After confirm Excel crashes.	4005660	Hotfix
PMRPTG-2647	Selecting an element without attribute in a header leads to the error message "Invalid operation on string value" when displaying attributes is enabled.	3981681	Hotfix
PMRPTG-2624	T here is an issue when several users try to open the same fomular report at the same time.	3997602	Hotfix
PMRPTG-2619 PMRPTG-2485	In "Cubes and Data Areas" the selections "Show disconnected aliases" and "Show only connected aliases" are not saved.	4007423 4007061 4062524 3932235	Hotfix
PMRPTG-2587	It is not possible to reopen a new Alea Adhoc report (non as Global report, same as Local report) in Office Plus. An error message: "You cannot open two instances of one browser window" appears.	4015200 4000880	Hotfix
PMRPTG-2567 PMRPTG-2098	T he context menu "Element List..." doesn't work if more than one cells are selected. The dimension browser window with elements doesn't appear.	3933505 3897538	Hotfix
PMRPTG-2503	T he Infor context menu is not available when opening an Excel report in "Page Break Preview" view.	3984417	Hotfix
PMRPTG-2495	An Ad Hoc report which contains a measure unit with percentage values is used in connection with an MS Analysis database. An "Exceptional range" with Value Type "Percent" should be applied to the report. After activating "Enable Exceptional Ranges", the percentage values in the report only show "#VALUE!".		Hotfix
PMRPTG-2488 PMRPTG-2460	In a specific multi language environment starting Excel without any parameter and opening "Mis.Plain.Loader.xll" leads to a macro error.	3977990	Hotfix
PMRPTG-2478	A subset which has been created via VB code is not shown in the list designer.	3981891	Hotfix

PMRPTG-2470	For some specific Alea Ad-hoc views it is not possible to drag and drop any dimension in the view after a certain time period.	3864881	Hotfix
PMRPTG-2469	T here is an issue with the option "Include calculated elements" with more than two dimensions in rows.	3960382	Hotfix
PMRPTG-2459	In some context sorting of nested dimension fails.	2481788 3861550	Hotfix

Issue ID	Description	Incident ID	Category
PMRPTG-2456	T he VB-function "Application.PickMembers" doesn't preselect the specified elements in the "saMemberPick-List" definition. The expected behavior after executing the VB code is that the elements are already selected in the "Choose Elements" box.	3979193	Hotfix
PMRPTG-2455	"The VB-function ""Application.PickMembers"" does not work when ""sMdxSet"" contains an MDX-set-definition like ""[Product].members"" and ""saMember-PickList"" has an empty value. An error message ""Error calculating elements of the MDX- statement. Index was out of range. Must be non- negative and less than the size of the collection.[]..."" appears. The expected behavior is that this works even when ""saMemberPickList"" is empty."	3977040	Hotfix
PMRPTG-2413	Reports in XLSX (2007) format imported in a local re-port catalog are converted in XLS format. When such a report is opened the error "This file is not in a recog-nizable format." appears.	3937117	Hotfix
PMRPTG-2400	W ith older unpatched Excel versions during startup Office Plus throws a VB compilation error in "cls lan-guage".		Hotfix
PMRPTG-2261	T here is an issue with importing reports to the global report catalogue when the report name is is longer than 50 characters.	3934910	Hotfix
PMRPTG-2211	T here is an issue concerning the dimension access cube and the Ad-hoc default view.	391073	Hotfix
PMRPTG-2128	In an Alea Ad-Hoc report entering characters in a consolidated cell with activated splasher deletes the current data. by splasher.		Hotfix
PMRPTG-2024	"SERVER.GET.INFO" does not work properly when s w itching to another Repository.	3892431	Hotfix

PMRPTG-1677	After selecting elements with the element search the picked elements will not be visible in the element tree of the structure selection.	3820966	Hotfix
PMRPTG-1654	An Ad-Hoc report with nested dimensions and merged outer dimension elements is converted to a CELL.GET report. Cells are merged so that sorting becomes more difficult.	3820852	Hotfix
PMRPTG-2031	A new Autit Table has been added to the repository.		Hotfix
PMRPTG-215	In Italian and Brazilian Portuguese environments it is not possible to connect to the PM Applications-provider.		Hotfix
PMRPTG-3004	T he installation of Office Plus on Windows 7 with redirected user directory to a shared network volume leads to an error message when starting: "not enough permissions".	286201	Hotfix
PMRPTG-2599	Creating elements with a comma leads to problems when such an element will be used in Excel functions.	3998004	Hotfix
PMRPTG-1916 PM-RPTG-1008	There are performance issues with the element search feature in dimensions.	3868858 2606781	Hotfix

Issue ID	Description	Incident ID	Category
PMRPTG-2991	Dimension members are not shown in nested hierarchies in rows if the suppression option "Suppress calculated elements using "NonEmptyCrossjoin" (fast)" and "Suppress Empty Rows" are enabled.	4062452	Hotfix
PMRPTG-2538	When importing data via process data with DBSET2 formula Mode 2 the following error was written to the error log: "The entered value does not match the value type in the cell".	3984065	Hotfix
PMRPTG-2604	An error message appeared in an Alea ad-hoc report if a dimension only contained the attribute table 2.	3983722	Hotfix
PMOLAP-578	In a customers Citrix environment inserting an empty row in a formula view throwed the error message: "Attempted to read or write protected memory. This is often an indication that other memory is corrupt." After confirm Excel crashed.	4139038	Hotfix
PMRPTG-2722	In a specific report the sorting order in a data result set was not correct.	4019608	Hotfix

PMRPTG-3012	After a migration from version 5 to version 10.1.3 the Analysis Services cube actions were not displayed in Office Plus anymore	4022621	Hotfix
PMRPTG-3604	An unknown error occured in an Ad-hoc report with two dimensions on axis and attributes activated on both dimensions		Hotfix
PMRPTG-2776	Inserting a row into a formula report returned an error exception from HRESULT	4020055	Hotfix
PMRPTG-3306	In some cases sorting within nested dimension did not w o rk properly	4118837	Hotfix
PMRPTG-2861	When connected with a BPA data source it happened that users were logged off from Office Plus during work.	3940544 3941590	Hotfix
PMRPTG-3227	A decimal seperator was not handled correctly during w r ite back with specific country settings.	4107608 4108512	Hotfix
PMRPTG-2544	In formula view copy and paste values didn't replace formulas by values.	3989244	Hotfix
PMRPTG-3137	If users had the View role and Edit permission there was an additional Local Reports folder created for each user who logged in to Office Plus.	4067748	Hotfix
PMRPTG-1980	F o r a specific customers OLAP database and reports splashing after updating to 10.1.4 didn't work. The error message: "Splashing is not possible, since too many base values would have to be written." Was returned	3869719	Hotfix
PMRPTG-3376	After using shortcuts "Ctrl+C" or "Ctrl+X" and then "Ctrl+V" in Office Plus UNDO was not possible any more.	4131946	Hotfix
PMRPTG-3676	Replace in Excel report caused error - Method 'Undo' of object '_Application' failed if Splasher is enabled	4170689	Hotfix

Issue ID	Description	Incident ID	Category
PMRPTG-3301	Office Plus did not offer multiple member selection button for dimension in header when using mmember.cname function and BPA Relational as data source.	4104536	Hotfix
PMRPTG-2339	Inserting rows in Alea ad-hoc reports and calculating afterwards caused errors	3929768	Hotfix
PMRPTG-2405	After an upgrade from OLAP 10.0.2 to 10.1.5 editing a dimension in Excel with an existing ALD file did not work any more.	3962077	Hotfix

PMRPTG-3109	In very rare scenarios in a Citrix environment it could happen that an error message is thrown: "You have no permissions to perform this operation" while accessing a cube.	4051133 4192579	Hotfix
PMRPTG-3229	Saving new formula reports in the file system did not w o rk	4108330	Hotfix
PMRPTG-3504	T he combination of the shortcuts 'Ctrl+X' and afterwards 'Ctrl+M' in an Excel sheet caused a crash of Office Plus.		Hotfix
PMRPTG-3029	An unhandled exeption appeared if a calculation for a dimension existed but the user didn't have permissions for accessing the cube which contains that dimension.	4027159	Hotfix
PMRPTG-3658	T here was an issue within the Template Wizard when selecting colors and using the gradient.	4168191 4163011 4163020	Hotfix
PMRPTG-3578	When restricting the permission on a network drive where the local reports are pointing to, a MDX error message was thrown when accessing the local reports folder	414271 4	Hotfix
PMRPTG-3179	When copying and pasting cells in a formula view, the formulas were not replaced by values.	4102987	Hotfix
PMRPTG-3853	Saving local formula reports on a network share failed if the user had special permissions	4129624	Hotfix

OLAP

Issue ID	Description	Incident ID	Category
PMOLAP-500	There is a performance issue for a specific customers database when using the #copy command in a source area which is rules-calculated. Additionally all empty cells are copied as 0.	3769216	Hotfix
PMOLAP-410 PMOLAP-49	In some Cube Rules IF clauses do not work if the condition contains formulas.	4040662 3248476	Hotfix
PMOLAP-405	In some cases the OLAP Server crashed if a Rule error was dumped to the RuleDump.txt file	4038170 4059443	Hotfix
PMOLAP-420	Saving a dimension that was edited in Excel fails if the cubes which contain the edited di-	3969119	Hotfix

	mension are not saved before they are unloaded.		
PMOLAP-250	A rule error occurred in a customers database	3875461	Hotfix
PMOLAP-433	Under special conditions exporting a dimension produces an incorrect file	4083053	Hotfix
PMOLAP-505	Rules in a specific customers database lead to a crash of the OLAP server	4050104	Hotfix
PMOLAP-503	More than 127 connections at the same time could lead to a crash of the OLAP server.		Hotfix
PMOLAP-455	In Alea 4.1 it was possible to delete all N-Elements below a C-Element and the C-Element was changed to a N-Element. By using VBA in PM 10 this is not possible anymore	4098116 4027746 4083068	Hotfix

Issue ID	Description	Incident ID	Category
PMOLAP-373 PMOLAP-308	If Cell to SQL was enabled but can not be executed. e.g. due to a wrong parameter, the UsedConfig file became very huge	4010246	Hotfix
PMOLAP-138	Level names were lost after a dimension was edited	2796374	Hotfix
PMOLAP-233 PMOLAP-35	T he OLAP database option "Remove copies in OLAP subsets" does not work as expected under special conditions	3884537 4007166 4118742 2457792 2596577	Hotfix
PMOLAP-321	It was not possible to delete an dimension rule element in the dimension editor	3852505	Hotfix
PMOLAP-578	Creating calculations for DefMeDim lead to an OLAP server crash	4139038	Hotfix
PMOLAP-426	Under the very rare condition that a dimension has an invalid DAC, CSD Slots were not freed. Now an appropriate error message is shown in the aleapr.txt	4056179	Hotfix
PMOLAP-560	W hen using certain faulty text files to import a dimension, unclear error messages were logged.	4105590	Hotfix
PMOLAP-388	" ^ " character was not displayed in ROA formulas if using native or ODBO provider	3995902	Hotfix

PMOLAP-39	A connection to the OLAP database via LOCAL was sometimes not possible if the server name was set as communication manager for server registration. This setting is now removed from the OLAP Administration.	3207805	Hotfix
PMOLAP-66	Events were not triggered correctly via VB script with case sensitive dimension name	2867132	Hotfix

Repository

Issue ID	Description	Incident ID	Category
PMRPTG-1647	Users cannot be added in the Administration Console using the LDAP provider. Only groups are listed and the relationship between users and groups cannot be read from the directory.	3828289 3799600	Hotfix
PMRPTG-3271	There was an outdated icon in the about box of Infor PM repository.		Hotfix
PMRPTG-1909	Under special circumstances it was possible that the sql update scripts	3859135	Hotfix
PMRPTG-3750	The explicit version of SQL server was removed from the Repository Administration		Hotfix
PMRPTG-3243	The DB interface description is localized now		Hotfix
PMRPTG-3029	An unhandled exception appeared if a calculation for a dimension existed but the user didn't have permissions for accessing the cube which contains that dimension.	4027159	Hotfix

10.1.5

Performance Management

The German Language Pack has been updated for this release.

Applications

- The Getting Started Guide gives you an overview of the set up process from installation to rollout showing the documentation needed to complete the necessary tasks. The documentation is explained in detail later in the guide.
- The following 10.1.5 documentation has been translated into German.

PM Workstation Guide

Consolidation Guide

Decision Guide

Excel Services

Planning Guide

Workstation

- Decision offers the flexibility to wrap column header text, splitting the text across multiple lines to allow all text to be visible without forcing the column to be wide enough to fit the text on one line.Decision now provides the same capability for row headers. That is, when a row header is too wide to fit the standard width, the row header text is split up across multiple lines. Previously, text that was too wide for the column caused the row header width to grow and fewer (or no) data columns to be visible.
- The master template, TPL_DisplayView, has been enhanced to remember the selected cell row/column index when entering worksheet lines. The cell focus is set back to that row/column index when leaving worksheet lines.
- The master template, TPL_DisplayView, provides a new menu option to enable dynamic switching between Name and Description for the grid's down dimension.
- The Status dialog boxes for the process pages automatically close after a 5-second delay and the successful completion of the process.

OpenLink

- You can specify a default load group by adding the LoadGroup parameter to the URL. See the OpenLink Guide for details.
- Property sets are sorted alphanumerically, making it easier to locate the desired set. Beginning with this release, property set names must be unique.
- When defining or editing load definitions, the record set returned for a BIS table to table load is now limited to 100 rows. This limitation improves performance.
- When creating filters, the available column values are limited to distinct members. For example, when importing schedule account lines, there is a column for schedule name which is Balance Sheet or Profit Loss. In prior releases, all single members for all lines were returned.

Business Edition

Financial Reporting - Reporting Services now includes nine sample reports for Business Edition. The sample reports include three Profit & Loss reports, three Balance Sheet reports, and three Cash Flow reports. The reports are for Microsoft Reporting Services 2008 R2.

Application Studio/Office Plus

- The Create Database Aliases dialog box now lets you choose which Microsoft Analysis Services version to connect to.
- You can now sort by the Date type of an attribute.

Office Plus

The Office Plus API has been extended to improve the handling of saving, closing and opening Microsoft Excel Workbooks.

OLAP

The Infor PM OLAP Software Development Kit provides information on using the PM OLAP VB API from VB.Net. Note that this guide was previously named Infor PM OLAP Software Development Kit for VB/VBA.

OLAP Consolidation

The following functions are now available as an Application Studio report:

- Carry forward schedule-data and journals
- Copy parameters
- Copy company data
- Create manual company
- Group journals

Designer

The connection between the Designer Rules Editor and the PM OLAP Rules Editor was improved.

- The Designer Rules Editor supports the creation of rule group and assigning rules to a group.
- Designer can update the rules for a cube independently of creating a cube. Groups that are defined in the Designer Rules Editor are pushed to the cube.
- Designer can pull rules for cubes from the PM OLAP Rules Editor into Designer, including group assignments.

Fixed Issues

Application Studio

Issue ID	Description	Incident ID	Category
PMRPTG-1024	Application Studio fails to combine a custom MDX query into a list, if the query ends with double-quotes	218090	Hotfix
PMRPTG-840	In lists, custom MDX queries are ignored in some cases		Hotfix
PMRPTG-1384	Big reports with conditional formatting will be extremely slow after an update from 10.1.2 to 10.1.4	272090	Hotfix
PMRPTG-874	After an upgrade from 4.01.06.213 to 10.1.3.170 certain filter settings are missing	217234	Hotfix
PMRPTG-1018	Dependant combo boxes are not updated as expected in print dialog	218063	Hotfix
PMRPTG-642	The folder print does not support variables within an Action	215582	Hotfix
PMRPTG-972	The connection to relational aliases fails when using Application Studio within OLAP Consolidation	217826	Hotfix
PMRPTG-1819	Poor performance, when opening the relational list designer on ODBC- Connections	275490	Hotfix
PMRPTG-690	It is not possible to save a changed user-defined script	215934	Hotfix
PMRPTG-1049	S y ntax highlighting in the scripting editor does not work for all scripting methods	218258	Hotfix
PMRPTG-985	A user-defined start script with cyclic includes will crash Application Studio.	217875	Hotfix
PMRPTG-685	Objects hidden in Definition View by scripts are visible in Report View.	215924	Hotfix

PMRPTG-1000	A certain script does not work in WebServices in Application Studio Full Client	217995	Hotfix
PMRPTG-1918	When using the method 'FileDialog.InitialDir' an error is displayed	276510	Hotfix
PMRPTG-1197	It is not possible to copy and paste global lists in the 'variable lists' folder	269617	Hotfix
PMRPTG-1021	In a corrupted repository, certain folders can no longer be deleted.	218073	Hotfix
PMRPTG-1490	A certain report variable is not filled correctly by an on-load action although it works correctly for second report variable in the report.	272473	Hotfix
PMRPTG-1052	When setting the "Visibilty" property to false for a calculation, an error occurs.	218300	Hotfix
PMRPTG-1340	In certain reports, buttons are not clickable unless you scroll once	271331	Hotfix
PMRPTG-1528	The "Replace" function is limited to 127 characters	272851	Hotfix
PMRPTG-1187	In certain reports, hyperblocks cannot be expanded. No error message is shown.	269558	Hotfix

Issue ID	Description	Incident ID	Category
PMRPTG-1073	Problem with the layout of bar charts that are nested in hyperblocks	218361	Hotfix
PMRPTG-1940	The function "Find and replace" does not replace all occurrences of a text	276807	Hotfix
PMRPTG-1845	Problem with Writeback using DBEXECUTE formula of the used SQL query contains RETURNs or other white chars	275771	Hotfix
PMRPTG-1821	Referencing an invisible element in an ROC formula causes all report formulas to throw #NA! in a customer's data model	275493	Hotfix
PMRPTG-1853	When trying to expand certain dimensions of a customer database, an error occurs when using native aliases	275920	Hotfix
PMRPTG-670	An Action (Jump) under a chart does not work in Full Client	215869	Hotfix
PMRPTG-1375	W hen creating reports based on a template, template scripts are not copied over to resulting reports	272005	Hotfix
PMRPTG-757	It is not possible to delete the formatting of headers and footers through the page setup	216085	Hotfix

PMRPTG-873	Filters with 'contains' operator do not work properly when square brackets are used in the filter condition	217233	Hotfix
PMRPTG-1284	Reports without a name (0 characters) can be saved but not opened	270616	Hotfix
PMRPTG-1812	The list of Windows users available for selection in Manage Permissions is not ordered properly	275448	Hotfix
PMRPTG-1331	The report focus will always move to the first write-back enabled cell of a report, even if that means moving away from the standard position of the report (left aligned, top)	271245	Hotfix
PMRPTG-872	It is possible to delete a global list although it is used by a "Select Element" action	217232	Hotfix
PMRPTG-1793	Chart legends do not display series names if the series' names were defined as static text.	275327	Hotfix

Application Studio WebServices

Issue ID	Description	Incident ID	Category
PMRPTG-678	Disabled buttons are enabled in WebServices	215888	Hotfix
PMRPTG-1032	In WebServices the TAB key does not navigate to the next writeable cell	218205	Hotfix
PMRPTG-1360	Zoomed reports are not rendered properly in Application Studio W ebServices	271684	Hotfix
PMRPTG-953	It is not possible to leave the edit mode of a writable cell by pressing ESC	217721	Hotfix
PMRPTG-1306	A WebServices report does not show complete text when '&' is used to combine strings in a small cell	270449	Hotfix
PMRPTG-1126	If WebServices is configured not to show the log on screen, users get no feedback that the application is loading	268795	Hotfix
PMRPTG-1205	In WebServices the navigation from input cell to input cell is too slow	269744	Hotfix
PMRPTG-958	When writing to an RWC cell in WebServices, pressing ESC appends the new values to the original value	217734	Hotfix
PMRPTG-697	A button with Wingdings characters (arrows) will not be displayed correctly in WebServices	215944	Hotfix
PMRPTG-686	Chart click actions fail in Internet Explorer 6	215925	Hotfix

PMRPTG-692	Buttons display incorrectly in WebServices if the visible area is set directly below it	215937	Hotfix
PMRPTG-736	In radio buttons, the selection is not ticked when horizontally frozen panes are used	215971	Hotfix
PMRPTG-956	After clicking an editable cell, arrow keys can no longer be used for navigation	217729	Hotfix
PMRPTG-957	It is not possible to save changed values in WebServices, if the changed value has not been confirmed by pressing RE-TURN	217731	Hotfix
PMRPTG-1432	A report with conditional formatting, which uses hyperblock formulas, crashes webhost.exe when "calculate visible area only" is enabled	272301	Hotfix
PMRPTG-682	On Windows 2008 R2 64-bit, the WebServices configuration wizard does not set the required DCOM settings for the ASWS_Group	215923	Hotfix

Designer

Issue ID	Description	Support ID	Category
PMAPPSCORE-138	Failed to register a Designer Database when using SQL Native Client 10.0 Provider.		Hotfix
PMAPPSCORE-143	Copied Default mapped elements can be set to manual created elements	CCMR-7UGC66	
PMAPPSCORE-150	BIS Export Services or Business Group need to be removed from an existing Designer Model when no longer needed or is about to change without getting errors when saving it or re-opening model again		Hotfix
PMAPPSCORE-175	It's possible to delete protected elements	AFER-6KJDY7	
PMAPPSCORE-177	DimensionEditor: Dimensions with large element list (>100.000 elements) do consume too much memory and have bad performance therefore	HLEG-7WMBRR	
PMAPPSCORE-178	Dimension Editor: If you copy a static element in one dimension and paste it into another then you can not change the pasted element to manual.	BBEE-6ZXJRK	
PMAPPSCORE-194	T he Numbering of the BG Wizard are wrong	CCMR-7UG9AG	
PMAPPSCORE-202	Report Repository (COS) settings dialog: wrong sizing of textfiled "apm name"	DLUS-6XR9NJ	

PMAPPSCORE-204	The layout for the property pane with Japanese language settings need refinement.	CCMR-7DRDEZ	
PMAPPSCORE-209	Determine cause of memory usage in creation of dimensions/databases and improve memory use		

Issue ID	Description	Support ID	Category
PMAPPSCORE-35	[RBA] - BG - Mappings - sorting of mapping objects in tree no d e		
PMAPPSCORE-39	[RBA] BG - Mapping properties - Size of the UI is to small to display all information		
PMAPPSCORE-42	Import / Export - Export configuration - select entire project		
PMAPPSCORE-430	Ability to refresh SCA object if field has been added to the BIS export Service.		
PMAPPSCORE-509	[RBA] When building a cube, only pull business group mappings that are in that cube.		
PMAPPSCORE-577	Is there any way to stop element -empty- being created in every extract	216623	
PMAPPSCORE-588	Users must have OLAP administrator permission to change program language	149912	
PMAPPSCORE-620	Bad message when creating the database using a read- only Olap user	217574	
PMAPPSCORE-627	Designer Export/Import does not include permissions		
PMAPPSCORE-683	Subsets created for EP dimensions (e.g Dcurr) are not visible in Designer	269073	
PMAPPSCORE-710	New subsets are not displayed in menu structure	270578	
PMAPPSCORE-810	Designer - Move Dimension between Projects fails. Internal License common is being set always		
PMAPPSCORE-83	GENERAL - Language selection should be in English		
PMAPPSCORE-834	Updating attributes does not work when having elements mapped to multiple targets. (static and dynamic mapping)		Hotfix
PMAPPSCORE-829	Loading of roles and setting of permissions takes extremely long	275205	

PMAPPSCORE-700	Dimension Element and cube access rights definition very slow in Designer	270085

Office Plus

Issue ID	Description	Support ID	Category
PMRPTG-880	Database structure pane does not show Aliases in alphabetical order if connection is made by double click	217244	Hotfix
PMRPTG-718	File extensions (.xls, etc.) are hidden in Office plus	216030	Hotfix
PMRPTG-964	VBA function 'TableImportDialog' causes Office Plus crash	217762	Hotfix
PMRPTG-2170	VBA macro that copies text between columns causes an exception error	278785	
PMRPTG-740	One cannot enter String data into a cube with leading zeros	216052	Hotfix
PMRPTG-756	MDX.SET.PICK does not work as expected in Office Plus	216084	Hotfix

Issue ID	Description	Support ID	Category
PMRPTG-1138	Create a rule description longer than 53 letters	268842	Hotfix
PMRPTG-1071	Lists are calculated automatically after updating to Office Plus 10.1.4	218346	Hotfix
PMRPTG-1506 PMRPTG-2152	MDX "format_string" is not parsed correctly in Office Plus reports	272629 278550	Hotfix
PMRPTG-1696	MDX.SET.CPICK not working when using Excel cell reference	274177	Hotfix
PMRPTG-1670	Wrong behavior when writing back to parent cells in Ad-hoc Reports	27301 3	Hotfix
PMRPTG-1603	Invalid index error while creating chart in Office Plus	273462	Hotfix
PMRPTG-739	Specific Attributes are not shown in the header	216049	Hotfix
PMRPTG-1824	Style wizard sets wrong origin in templates. When you use the style wizard of Office Plus, the cell mds_first_cell	275498	Hotfix

	is always set to A24. However this conflicts with the new templates now provided with PM 10.1.4		
PMRPTG-1834 PMRPTG-889	Ad-hoc report cannot be displayed, because it is too large	275608 27298	Hotfix
PMRPTG-1768	The progress bar does not work properly	275045	Hotfix
PMRPTG-1809	Drilldown indicators are not displayed in Ad-hoc Reports for consolidated element with 256 child elements	275400	Hotfix
PMRPTG-1806	Performance problems when using suppression of calculated elements under AS 2005	275379	Hotfix
PMRPTG-501	Different loading times when using Alea Ad-hoc and Ad-hoc report	3000000	Hotfix
PMRPTG-1186	Office Plus crashes in a terminal server environment and Citrix	269557	Hotfix
PMRPTG-1608	All folders expanded in Save As dialogue	273563	Hotfix
PMRPTG-1609	Creating new local folders requires a refresh	273565	Hotfix
PMRPTG-741	DB.GETC formula will be overwritten when a range of cells are marked and a value will be put in the first cell. Press Ctrl.+Enter and the DBGETC formulas are overwritten except in the first marked cell	216057	Hotfix
PMRPTG-1948	Issues with specific reports when selecting elements. After the 6 or 7th change the issue appears	276907	Hotfix
PMRPTG-1789	Elements are not displayed in specified order although "Hierarchized" is set to false	275257	Hotfix
PMRPTG-1729	Header dimensions disappear after conversion	273741	Hotfix
PMRPTG-1351	Issues when saving new workbook in Office Plus	2714 4	Hotfix
PMRPTG-1574	Sometimes the path to the template information is lost in the options of Office Plus.	273176	Hotfix
PMRPTG-1789	Elements are not displayed in specified order although "Hierarchized" is set to "false"	275257	Hotfix

Issue ID	Description	Support ID	Category
PMRPTG-1809	Drilldown indicators are not displayed in Ad-Hoc reports for consolidated element with 256 child elements	275400	Hotfix

PMRPTG-1738	In Alea Ad-hoc reports when moving a dimension to the header, always the first element of the dimension is displayed.	275498	Hotfix
PMRPTG-2007	Creating an invalid DE.NAME formula causes an Office Plus crash	277472	Hotfix
PMRPTG-1948	Office Plus crash selecting elements several times in certain report	276907	Hotfix

OLAP

Issue ID	Description	Support-ID	Category
PMAPP-SCORE- 722	Unexpected error when reading hierarchies from OLAP	273789	
PMAPP-SCORE- 714	OLAP writes in the beginning of the ALEALOG file instead of the end.		Hotfix
PMAPP-SCORE- 688	Not possible to trigger events/shutdown Event Agent	269280	Hotfix
PMAPP-SCORE- 638	"GetAllChildsOfParent" not working in "epTransfer.dll"	217907	Hotfix
PMAPP-SCORE- 604	Problems with Event Agent triggers in PM 10.1.3	217395	Hotfix
PMAPP-SCORE- 596	Wrong import of attributes	217169	Hotfix
PMAPP-SCORE- 513	Error in OLAP-API - dimension import	215328	
PMAPP-SCORE- 435	#DAC permissions do not work when using DE.NAME	214057	
PMAPP-SCORE- 312	Scripting function ElementWeight does not work as expected	212427	
PMAPP-SCORE- 375	PMOLAP-162 "Select cubes" dialog a little too small on Vista	147845	
PMAPP-SCORE- 569	PMOLAP-65 First try to create database registration with Win Auth fails	147770	
PMAPP-SCORE- 575	PMOLAP-60 "New Window from here" leads to an error PMOLAP- 52 Favourite database password is not remembered	147789	

PMAPP-SCORE- 529	PMOLAP-52 Favourite database password is not remembered	212188	
PMAPP-SCORE- 572	PMOLAP-51 Context menu of Favorite DB: Move "Properties" one down	147834	
PMAPP-SCORE- 373	PMOLAP-36 Restrict access to database" setting is lost	147785	
PMAPP-SCORE- 558	PMOLAP-26 rename existing element not possible	216418	
PMAPP-SCORE- 571	PMOLAP-18 File Explorer finds client support twice	147841	
PMAPP-SCORE- 573	PMOLAP-13 Double LogOn dialog	147769	

Issue ID	Description	Support-ID	Category
PMAPP-SCORE- 570	PMOLAP-7 Disable button: Create a copy of the selected event filter	147838	

Repository

Issue ID	Description	Support ID	Category
PMRPTG-699	Database error in scSsoMUser17,72 when changing setting for "User must change password"	215948	Hotfix
PMRPTG-996	Message "The affected reports are the second and fourth copies of "xyz": found under "Reports / Sample".	217950	Hotfix
PMRPTG-1718	Every SSO User group only shown at user management level in customer's repository	274389	Hotfix
PMRPTG-1778	Sorting a list by the Description field in the "Assign users and groups" dialog is not possible	275191	Hotfix
PMRPTG-1756	Key violation error in Project Permission Management	274994	Hotfix
PMRPTG-1897	Import/export text elements does not work as expected	276277	Hotfix
PMRPTG-1896	Under certain circumstances it is not possible to see all text elements in the PM Repository Administration console	276280	Hotfix
PMRPTG-1786	Error message when opening "User Groups" on User Management level	275239	Hotfix

PMRPTG-1939	Problem with a certain Windows users when a user has been migrated to a different domain using the AD migration wizard and is given a new name	276806	Hotfix
PMRPTG-1914	Error when opening a project - "Could not access the repository database."	276462	Hotfix
PMRPTG-1014	User name is remembered even though "Save log-on information" is unchecked	218039	Hotfix
PMRPTG-1313	Under certain circumstances when changing the database alias, this error message can occur "System AccessViolationException: Attempted to read or write protected memory".	270862	Hotfix
PMRPTG-1775	Problems when connecting to an Oracle Repository in a 64bit environment	275173	Hotfix

10.1.4

Performance Management

- All PM components are available on a single DVD. The components are organized according to the typical target destination. See the Installation Guides for further information.
- The 10.1.4 service packs are full product installations. You do not need to install 10.1 before installing the 10.1.4 service pack. Infor PM Designer now supports over installing previous versions. The Infor PM OLAP installation automatically detects if the operating system is 32-bit or 64-bit and installs the correct version.
- The Start menu items in the Infor Performance Management program group have been reorganized. Existing PM 10.0.x and above installations are automatically updated.
- The Infor Performance Management components are installed to the Infor PM directory for all new installations. Existing installations of PM Application Studio, PM Administration, PM OLAP, PM OfficePlus, Designer, and License Manager are automatically moved to the new folder.
- The Infor logo and the splash screens for the PM components have been updated to the new corporate standard.
- PM is now available in Italian and Portuguese-Brazilian. This language support is included automatically with Application Studio, Designer, OLAP, and Office Plus. The language packs for Decision, View Manager, Architect, PM Workstation, Planning, and Strategic Management are available on Infor365. The language packs are also installed by the Decision and Architect service packs. After installing one of these components, go to the LanguagePacks directory under the application directory.

- The sample repository for PM OLAP, Application Studio, and Office Plus contains new and updated reports.

Architect

- In previous versions of Architect, automatically generating groups created unique names using the dimension ID, the set ID, and the member ID. If any of these IDs changed, the unique name changed and reports had to be reconfigured. Reports had to be reconfigured which was a time consuming process. Beginning with this release, Architect re-uses top group names and IDs if the new name matches an existing name. Reports will now continue to work with no updating required.
- The Period dimension can include enough leaf periods to support daily data. For example, you can now have days, weeks, months, and year as members. Note that you can only have four levels in the Period dimension.
- Architect can now be configured for Citrix support. See "File Locations" in the Architect Guide for details.
- There are five new structure import configuration files that facilitate loading structure from Infor BIS into a Business Edition application. These configuration files support loading from zero to four custom dimensions and can be called from the Import Wizard.

Business Edition

- New report templates have been provided to illustrate drilling back to journal level detail contained in Infor BIS 1.2.
- The Business Edition reports are now available in French, German, Spanish, Chinese, Japanese, Italian, Portuguese-Brazilian, and Dutch.

Workstation

The master template, TPL_DisplayView, has been enhanced to better support the Approval Process:

- The Save and Submit buttons are only shown if specified by the Options parameter and the user has to appropriate access to the unit.
- The Save and Submit buttons are not displayed once the data has been locked by the Submit or Approval action. This assumes the buttons have been specified by the Options parameter.
- The Worksheet Lines and Local Consolidation commands are not included in the menu list once the data has been locked. This assumes the commands have been specified by the Option parameter.
- You can easily populate the Approver and Submitted boxes by double-clicking on a name in the Current Relationships for the Unit list.

- The Sync parameter synchronizes off-grid members across TPL_DisplayView topics that use the parameter.
- OpenLink contains pre-defined property sets to support loading data from Infor BIS. The predefined property sets contain the correct default settings to accurately transfer amount data into the Business Edition database.
- OpenLink has improved its ability to load balance sheet movement data from Infor BIS. The PM_AmountData export service accumulates year-to-date balances starting with P0 for existing dimension members to provide balances for periods with no movement activity.

Consolidation performance has been significantly improved for the following scenarios:

- The consolidation obtains straight off sheet line references more efficiently for a potential performance improvement up to 40% better.
- The consolidation process more efficiently posts ownership journals resulting in a significant performance improvement.
- PM 10.1.3 introduced the Read Consolidated Member P0 Balances to support applications using ownership capabilities. The initial performance degradation associated with this functionally has been eliminated.
- The consolidation process's new scripting parameter, RollupLocalExchange, controls the rollup of the trade currency dimension. This scripting parameter dynamically overrides the database setting contained in the SYS_PARAMS table.

Excel Services

The Excel Services cell-based client component now uses the ADOMD.NET from the SQL Server 2008 feature pack. All existing cell-based users must run the Client Configuration program after installing the 10.1.4 release.

OLAP Consolidation

- The former MIS Consolidation is now named OLAP Consolidation.
- A new web interface lets you run the automatic consolidation process on the server.
- You can define journals that automatically post repeatedly for a specified time span.

Office Plus

- The BIS Report toolbar lets you set the page size of the Export Service reports with a single click.
- The writeback capabilities of Office Plus have been extended and former differences between the MIS Plain part of Office Plus, and the Alea part have been streamlined.

Now, you can enter spreading commands directly into Ad-hoc report cells, Alea Ad-hoc reports and cell based Formula reports. This way you can use advanced spreading methods to writeback on aggregated cells of your cubes, even without using a Writeback dialog.

It is possible to delete cells of a PM OLAP cube in Ad-Hoc and CELL.GET reports using the command CTRL+DEL.

The CELL.WRITE formula, which can be used to writeback to cells, has been improved. The formula now supports the new spreading syntax. Additionally you can use formulas to push back data into the cube, based on changes of report cells.

- Office Plus loads the Excel add-ins for modeling PM OLAP models on demand which improves start up performance. The add-in can be disabled during the Office Plus installation.
- In List Designer, you can now filter out empty elements. This visual aid prevents selecting empty elements in your list. The feature is available on Pick Element dialog box and in List Designer of Office Plus and Application Studio.
- There are new standard templates for Office Plus. The new templates bring an improved color palette and color gradients over dimension levels. The new templates can be imported to existing report catalogs using the Import function on the Templates folder of the report catalog.

Repository

You can use Infor PM Administration to clean out obsolete users and groups, including all settings and values stored for those users.

Application Studio

- Calculations that are invalid due to changes in the underlying database structure can now be deleted using the Database Properties dialog box. This function is also available in Office Plus under Infor PM Office Plus > Database > Manage Invalid Lists and Calculations.
- In the PM Administration you can now rank roles through the Report Catalog. This minimizes the effort of user-setting configuration. New users will automatically get the correct settings without manual adjustment.

Designer

- Designer’s new Connector Configuration Check functionality evaluates and reports on the current assignment of source elements in dimensions or resultant cubes.
- There are performance improvements in database creation.

Several usability improvements have been implemented in Designer:

- New icons help distinguish between dynamic and static subsets

- Improved usability when adding new BIS Export Services to the Source Configuration Area
- The data loading process reports the number of records loaded
- Improved single dimension creation. Single creation supports multiple models

Fixed Issues

Application Studio

Issue ID	Description	Incident ID	Category
T KUZ-75QF99	In the web, when exporting a report to MS Excel, the resulting file will always be called "undefined.xls".	227820	Hotfix
IREO-7YQJB9	An action (Jump) under a chart is not working in Application Studio Full Client.	2888950	Hotfix
KUJI-7Z7DXE KU-JI-7Z7EBX	Charts are displayed different in PDF exports.	2876596 2878539	Hotfix
KUJI-7Z7EB7	Elements with single quotation marks in element names will cause problems in a list.	2875678	Hotfix
KUJI-7S7CMD	Alphabetic sorting will fail in Preview when "Invert hierarchy" is selected for a client list.	2577800	Hotfix
KUJI-7Z7DZS	Reports which were exported as *.package' from a certain project cannot be imported to the same project again.	2890327	Hotfix
T RAH-76DL7P	T he spreadsheet setting "Visible area" was confusing when using the report setting "Calculate visible area only" . The setting has been renamed to "Visible Report Area"	246191	Hotfix
LSCT-7ZGH8J	T he online help contains an obsolete topic concerning "Advanced options" for report export	3170212	Hotfix
LSCT-7Y6AS9	An invalid client list with setting "Consider only base elements" and data filter will cause long calculation before throwing an error.	2869815	Hotfix
KUJI-7V9GRP	T he object fill color 'None' will not appear transparent in the web, but gray.	2738472	Hotfix
KUJI-7Y4M9D	T he setting "Fit to x page width" scaling does not work for A0 and A1 paper size formats in PDF print.	2796211	Hotfix
VLAA-7YBCJK	Actions cannot be executed from behind a colored graphic object	2782902, 2800682	Hotfix

IREO-7YALMD	Application Studio doesn't run with Bulgarian regional settings	2877117	Hotfix
IREO-7PVFH6	T he Application Studio Webservices configuration help file needs to be updated for Windows 2008 Server. NOTE: The configuration is now described in the PM Installation Guide.	2536024	Hotfix
HWAR-7YCHU9	T he folder print only works in Webservices when the permission "Browse Folder/Reports" is given at the report catalog level	421347	Hotfix
KUJI-7WSHLM	Batch print does not work in the web when all settings are pre- configured	2796218	Hotfix
KUJI-7Y4N5E	In webservices the Scrollbar of the report tree will always jump back to the top when opening folders within the report tree.	2803134	Hotfix
KUJI-7Y4N85	The scripting method SetLocalListDefinition does not trigger a recalculation of the report.		Hotfix

Issue ID	Description	Incident ID	Category
KUJI-7WSHKP	In the web, actions which are triggered by a selection in a combobox will not be executed when using a script to select an element in the combobox.	2783755	Hotfix
KUJI-7Y4MD9 KUJI-7WTCS9	A filter where two value filters are combined with AND operator will fail.	2869821 2782290	Hotfix
KUJI-7XHKMT	Cannot write back on a logical OLAP attribute using an ODBO connection.	2810538	Hotfix
KUJI-7X4BRF	When opening a specific Pick List in Webservices an error message comes up.	2794455	Hotfix
T RAH-7WLHR3	T he 'Splasher Commands' for writeback with Application Studio should be included in the Application Studio help.	2790648	Hotfix
KUJI-7XAKXB	Image borders and shadows do not work in Webservices	2805275	Hotfix
KUJI-7XAKS6	With the library dialog of Application Studio Scripting you can only include the MS Excel 5.0 library but not the library of the currently installed Excel version.	2792834	Hotfix
KUJI-7WYC8H	In a client list, when creating a data filter which uses a global variable, the list will return an error.	2799567	Hotfix
KUJI-7WYB-VN	Exporting Application Studio reports to XML format will fails for cell with the number format' ;;;'	2791270	Hotfix

IREO-7W6CSC	A button where the text is formatted as bold is not shown as bold when the report is rendered in the web.	2776369	Hotfix
IREO-7W4HQA	T he cursor doesn't jump to the very end of a RWC column in a hyperblock when using conditional formatting.	2773148	Hotfix
KUJI-7SAG3E	In certain reports, after the message "Write back Values?" the report will be locked.	2468291	Hotfix
KUJI-7W4HBY	When entering values in Webservices, the cursor doesn't move upon and pressing Enter.	2775119	Hotfix
KUJI-7W6G66	A Pick List selection will not work when a server list is set to hierarchized = false.	2779444	Hotfix
KUJI-7W7CNZ	It is not possible to use a variable in the Cube field of a client list.	2776934	Hotfix
KUJI-7W6G74	Application Studio Scripting: Setting the text of a textbox in the definition view changes the font settings for the textbox.	2774063	Hotfix
KUJI-7W8DDL	Changing the button background or foreground color to "MenuHighlight" will cause a crash of Application Studio.	2768692	Hotfix
KUJI-7W6D3V	A misleading error message will appear when a frozen area and a hyperblock overlap.	2778800	Hotfix
KUJI-7UPC5Z	in the web tooltips on reports in the report tree will be different from the Application Studio full client.	2740786	Hotfix
KUJI-7UD-KDD	Searching text on the spreadsheet will search in unique names of elements, which leads to unexpected results.	2617735	Hotfix

Issue ID	Description	Incident ID	Category
PMEI-7SQB-PL	Global and report variables are exported as =" *variable_value* " in Excel exports. This can lead to problems when you open the export in Excel.	2588847	Hotfix
KUJI-7V9GVW	When using several TRANSLATESTRING functions within a report, not all functions will show the right translation when changing the report language.	2617695	Hotfix
KUJI-7VAHQ2	It is not possible to edit a POV if no list has been assigned to the POV.	2755015	Hotfix
KUJI-7V9JQ4	"Sort by value" returns only 5 elements in native client lists when the filter "Only elements underneath" is selected.	2758255	Hotfix
KUJI-7M7CTW	When using folder print, the initialization of dependent comboboxes will not work as expected.	400077 400352 400108	Hotfix

IREO-7V3GJF	The structure filter "Only elements underneath (exclusive)" shows elements twice in a native connection.	2747467 2752595	Hotfix
IREO-822KN3	The client list cache is not updated properly when a new element is added to a dimension.	2580445	Hotfix
KUJI-7U5FYU	The OLAP Permission Management (via access cubes) does not work correctly in client lists.	2613287	Hotfix
KUJI-7UN-EEW	On a 64 bit systems with an Oracle repository the connection in Webservices will fail with error message: "Could not find repository definition for parameter 'x'".		Hotfix
KUJI-7STDRP KU-JI-7XAKZL KUJI-7S8EVR	In webservices text will be truncated.	2587937 2805258 2580322	Hotfix
KUJI-7SAJ4Q	The Select Element dialog shows elements several times when a native PM OLAP connection is used.	404036	Hotfix
KUJI-7UDH2GS	It is not possible to delete multiple values simultaneously by pressing DEL.	2615452	Hotfix
KUJI-7UDH36	Problem with arrow key navigation when writing back on a cell where cell protection has been removed by conditional format.	2619314	Hotfix
KUJI-7U5G8D	Users need "Delete" permission in order to copy a value to a writeback cell using Ctrl + V shortcut	2615441	Hotfix
KUJI-7UF-CYH	A listview value (combobox) will not be updated in batch print, if the report is set to manual calculation.	2615428	Hotfix
KUJI-7S8EAU	On CELLGET formulas the Splasher dialog will appear although it is disabled.	2581881	Hotfix
T KUZ-7QQM57	A report that uses scripting and variables does not work in W ebservices like in Application Studio client.	2540394	Hotfix
KUJI-7UCC6F	The number of rows and columns generated during Excel export is limited to 300 columns and 100k rows.	2619249	Hotfix

Issue ID	Description	Incident ID	Category
KUJI-7TCK-WD	Selecting a cover page for a folder print causes the print layout settings to be lost in print settings.	2604168	Hotfix
KUJI-7SAJ-BA	The client list setting "Hide duplicate elements" does not work on PM OLAP ODBO connections.	2525843	Hotfix

HWAR-7THBE2	In the web printing of folders doesn't work via an Action when the button 'Print Folder' in the title bar is disabled.	2603730	Hotfix
KUJI-7TCH72	In Pie Charts the labels are placed within the pie.	2602658	Hotfix
IREO-7TBH-WH	Unhandled exception "IDispatch #61704" will appear when attempting to a certain print.	2602919	Hotfix
KUJI-7TAJ97	T he Scripting method "ActivateChart" blocks all other report objects.	2592032	Hotfix
PMEI-7T6DL4	In online help the index "colors, define" points to the wrong chapter.	2601008	Hotfix
KUJI-7STDRA	Login via the keyboard with Ctrl+O does the login without showing the start report.	2593462	Hotfix
KUJI-7YJM5D	In the web it is not possible to change of object properties like font color and background color of a combobox, by changing the css-files.	2788721	Hotfix
KUJI-7XHKNG	Editing cells in Definition View returns following error message: "not enough memory to buffer changes. Continue (changes cannot be undone)?"		Hotfix

Issue ID	Description	Incident ID	Category
KUJI-7XAL39 KUJI-7Y7CP7 KUJI-7WUC3F KUJI-7U9BEF	Certain issues appear after Upgrade from version 4 to 10.1	2800673 2873659 2795039 2616375	Hotfix
KUJI-7XYFQW KUJI-7XYFT6 KUJI-7XRH5U KUJI-7WZGDR KUJI-7WZHDL KUJI-7WZHDV KUJI-7T9FFM	Certain issues appear after Upgrade from version 5 to 10.1	2865677 2865677 2818560 2790267 2798248 2790238 2801771 2591830	Hotfix

Designer

Issue ID	Description	Support ID	Category

AFER-7W8JR2	Parent/Child relations from single Connector source table w e re not updated correctly	2611301
AFER-7WC-FUU	Changing the width of columns in the mapping have been improved	2781716
AFER-7WJHB3	Disabling and enabling the same Connector connection created internally a new connection.	2768623
AFER-7XBKUN	If the attribute Name is configured as ODBO description the dimension description had nit been transferred to OLAP database.	2808542
AFER-7XRHRE	Under certain circumstances the Designer had established multiple connections session to an Oracle databse	27330 79
CDER-6UP-JPG	DataLink | SunSystems support: The export of rules calcu-lated values can be performed	227004
HLEG-7UDJ2Q	AFAleaObjectModel: It was not possible to retrieve the list of elements from a certain element	2751939
IKOC-7VWJFB	When creating a Designer database with a MDAC cube the MDAC cubes could be deleted due to other dimension updates (Error 261)	2755105
PMEI-7WUH6U	When having an empty translation for a dimension name the string "Neutral language" had been shown. This tring had been replaced with "Dimension ID"	2797345

Office Plus

Issue ID	Description	Support ID	Category
KUJI-7U6GQ5	W hen closing an unsaved Formula report, an MS Excel file 'ExcelReport1.xls' remains.	2616172	Hotfix
KUJI-7Z7E97	Subtotals function "Sum" not working as expected w ith non-sum values under Analysis	2890601	Hotfix
KUJI-829LCP	T he API-function PickMembers does not work properly.	3198208	Hotfix
KUJI-7Z7E2G	Attributes are not displayed in the "Find Element" dialog which opens on the List Designer.	3149346	Hotfix
KUJI-7XY-FYN	In version 5.2.3 MS Excel will crash when the Alea Splasher has been enabled.	2783933	Hotfix
KUJI-7W6AT3	Office Plus will freeze when using "Keep Elements"	2771758	Hotfix

KUJI-7TCG7M	But OfficePlus 10.1.2.213 allows to define more then 254 characters without returning an error message.	2603300	Hotfix
KUJI-7T9G4L	Formula editor doesn't start without manual connection to Repository and Alias.		Hotfix
KUJI-7UFC69	Office Plus doesn't start properly when some toolbars are set vertically.	2737314	Hotfix
KUJI-7UD-JVX	It is not possible to create an element with a leading zero in element names.	2604283	Hotfix
KUJI-7W6AVV	MS Excel will crash after several searches in huge dimensions, due to a memory leak.	2606605	Hotfix
RMAA-7W8AV6	Crash of Office Plus when selecting a specific combination of dimensions in a report.	2781618	Hotfix
KUJI-7SAHLZ	Copying data takes very long when the Splasher is enabled.	414055	Hotfix
KUJI-7U6GKR	When trying to save a changed report without sufficient permissions on that report, no message will appear for the user.	2615522	Hotfix
KUJI-7SAHKT	Copying data does not work for access cubes when the Splasher is enabled.	414054	Hotfix
KUJI-7UDK6J	Error messages appear when reports are added or deleted from a report catalogue by different users.	2606616 2606581	Hotfix
KUJI-7T9FSN	T he function application.pickmembers from Plain COM API only returns the first top-level element when a dimension has multiple hierarchies and you are not able to navigate in the browser to pick your members.	2608322	Hotfix
KUJI-7V9HBT	Not possible to save formula reports in Excel 2007 in X L SX or XLSM format.	2746445	Hotfix
KUJI-7UN-FTS HFRH-7WBJZQ	A text filter, using regular expressions, will be case sensitive on MS Analysis Services 2005.		Hotfix
KUJI-7UCEZU	It is not possible to write string attribute values with AT.GET formula.	2604279	Hotfix
KUJI-7UD-JXH	Alea Ad-hoc Report is calculated twice if an element in one of the header dimension has been changed manually.	2603311	Hotfix

Issue ID	Description	Support ID	Category
SMAS-7UP-ECA KUJI-7UKGWD	T he function "ElementDialogBox" leads to errors.	2742922 2739993	Hotfix

KUJI-7UF-GYU	In the "Cube and Data Area" dialog, the description column is too small.	2735909	Hotfix
KUJI-7U6GQU	W hen using the API function "ATableFieldPutValue" memory is not de-allocated for the Excel.exe process.	2615454	Hotfix
KUJI-7Z7KWZ	It is not possible to refresh a formula report through another formula.	3150923	Hotfix
KUJI-7W6ALF	It is not possible to create a local cube with the Local Cube Wizard.	2757208	Hotfix
HFRH-7TTCA4	T he Alea Formula Editor still uses the term "Server" w he n it should be "Database Alias". Also the Online Help uses still the old term.	2594667	Hotfix
KUJI-7Z7E84 KUJI-7Z7E7S KUJI-7Z7E7S	T he MMEMBER.CNAME formula (multiple selection) not work with CELL.GETC and CELL.GET on MS Analysis Services databases.	3147023 2889195 2889195	Hotfix
LKOK-7STCLK	T he DB.GETC formula will fail with certain regional settings.	2590137	Hotfix
KUJI-7Y7DD2	T he loading time of Ad-hoc report too long compared to Alea ad-hoc report.	2871314	Hotfix
LKOK-7L6GMF	T he description of the API function GetCurrentCellTuple is not correct.	2469242	Hotfix
KUJI-7UD-KBD	Wrong behavior when trying to save a Report with more than 50 characters in name.	2606616	Hotfix
KUJI-7RHG8V	When importing an Alea 5.2 view to Office Plus, you loose the description of the view.	404446 425492 2299223	Hotfix
KUJI-7WTCK6	It is not possible to delete invalid calculations when a cube or dimension is not given any more.	2795005	Hotfix
KUJI-7LUJ46	MS Excel will crash when the add-in Thinkcell Chart 5.0 is installed.	2459285	Hotfix

OLAP

Issue ID	Description	Support ID	Category
IKOC-7M9ET6	Under certain circumstance it is not possible to copy any data and delete data areas. Mostly this occurs in combination with third party process tools like Integration Framework	2489424 2584336	HotFix

JJUK-7TR-MJZ	T he OLAP server is not working properly while dimensions are being updated using "Process data" command with an Excel worksheet with DE.ADD	2573614	
KUJI-7TB-JKG	Using Application Studio and writing back text with the RWC formula the system had issues when the text contains a line break	2601891	HotFix
KUJI-7UD-KAR	T he VB function "ATableFieldPutValue" does not work as expected under Office Plus	2617683	HotFix
MRIE-7PDJ8S	Starting of Office plus took long lasting time	2503508	HotFix
SMAS-7SNK3J	W hen trying to edit a database registration within Infor PM OLAP Administration the following error occurs: Could not find Repository definition for parameter..	2582550	
SMAS-7TSKXR	Import fails with ATableFieldPutValue	2611701	HotFix
T RAH-7TB-JWU	In Application Studio; Server Lists using Subsets contain duplicated elements when accessed by users w ith restricted rights on the elements of the dimension	2457792 2596577	

Repository

Issue ID	Description	Support ID	Category
CDOL-7YACGL	Oracle connection failed. After connecting to the PM OLAP Administration the connection to the Repository database is not possible anymore. After a restart of the computer it works.	2875448	
GGOZ-7TJGLJ	New user doesn't get the connection settings from the group - heredity in Repository	2560428	
JFIR-7XYLS9	Calculations can not be named with the same name in two different databases	2871255	
KUJI-7VCC8M	Getting unhandled exception error when typing wrong password for Basic user	2614183	Hotfix

Issue ID	Description	Support ID	Category
LSCT-7WB-HEB	Under certain circumstance the registration of Infor PM Applications (BPA) Authentication provider was not possible	2782515	
PMEI-7SHA-JY	Duplicate windows users in database aliases menu	2588657	

PMEI-7YSN9W	Repository 10.1.3 is no longer able to authenticate BPA Windows users using Infor PM Applications (BPA) authentication	3147616
RIBN-7VRG-PD	It was not possible to see DBO databases in the registration dialog	2616955

10.1.3

Performance Management

- The program group now includes a link to Infor365. This provides access to the Infor support site.
- The PM applications are now available in Dutch. This language support is included automatically with the BSA applications. The BPA language packs are available on Infor365.

Business Edition

- The Office Plus example illustrating XBRL tagging has been enhanced to include a financial statement footnote.
- Office Plus's XBRL Enabler, Dragon Tag, can be surfaced / hidden from the Office Plus's Tools menu.
- The Business Edition now supports up to four custom dimensions referred to the Activity dimensions. The BPA Workstation and the Application Studio reports now reference four additional dimensions. The Business Edition Guide describes how to adjust the Application Studio reports for less than four dimensions.
- The Application Studio report package included with the Business Edition includes new reports as well as enhancements to the existing reports.

  The Quarterly Statement and Twelve Month Statement reports and template now provide the user the capability to dynamically change the selected year.

  Two new Administrator reports have been included. The Organization Structure report displays and prints the selected Unit Organization structure with the unit's attributes. The Statement Definition reports displays and prints the account (schedule) line items and their attributes for the selected schedule.

  Two new reports, the Month Ending and Periodic / YTD (Year-to-date), have been added to the default package. These reports are targeted for single version reporting rather than Actual vs. Budget analysis.

- Pre-defined Export Services shorten the process of building a BPA model when the source data is from BIS. The pre-defined Export Services are used together with Architect's Import Wizard and OpenLink
- A content upgrade path for existing Business Edition applications is described in the Business Edition Guide.
- New scripts specific to creating a Business Edition database are now included as part of the PM (BPA) Administration installation.
- The Business Edition Integration Guide has been renamed the Business Edition Guide. It contains information on creating a Business Edition for Budgeting and Planning application, a Business Edition for Financial Reporting application, and general information that is appropriate for any Infor PM BPA application being expanded with the addition of Office Plus or Application Studio.

Financial Consolidation

- The Unit Contribution report presents the actual consolidated values contributed by leaf units to a parent. It also facilitates directly accessing adjustment detail. The report can display the leaf units' data that contributes to the consolidated parent members at 100% or factored by the consolidation percentages for the selected period. Within the report, you can select an adjustment or net adjusted cell and display all direct adjustment details that make up the adjustment or net data. See the BPA Workstation Administration Guide for details on setting up this report. See the BPA Workstation Guide for details on using the report.
- The Intercompany Transaction Detail report now dynamically calculates and displays year-to-date intercompany transaction data as well as periodic data. See the BPA Workstation Guide for details on the Intercompany Transaction Detail Report.
- Effective Control percentage and Effective Control - Minority percentage are now available for use in the Ownership Journal. These percentages are especially useful for specific ownership affected calculations such as Goodwill. In prior releases, ownership journals could only reference effective ownership, consolidation or fixed percentages for driving ownership calculations. Schema changes are needed to support this feature. See the BPA Installation Guide for details.
- In applications where ownership data is static, opening and beginning balance lines' data for consolidation units in the first period of the year can be accurately computed as the sum of the children's ending balances multiplied by the consolidation percentages for P0 (Opening Balance period). When ownership percentages and the consolidation method change over time, this is not a reliable method for calculating P0. In this case, P0 data for consolidation units' ending balance lines must be read from the database and pulled into the first period of the year for the opening and beginning balances. The user can now select the P0 Ending Balance option on the consolidation and CSM pages to read P0 ending balances from the database instead of computing them dynamically.

Budgeting/Financial Consolidation

- The Copy Financial Data option has been enhanced to support copying data from one rate set to another rate set. For example, a completed Balance Sheet at year end contains actual version data at the actual exchange rate set. To seed next year's budget version, copy these values into the budget version budget rate set from previous year-end to the opening balance period (P0). See the BPA Workstation Administration Guide for details on setting up this option. See the BPA Workstation Guide for details on copying data.
- You can protect against arithmetic overflow that can occur when dividing by a very small number. To do this set the value of the DivisionTolerance parameter in the Nonstructure_Params table. The value for this entry defines a numeric range that is considered equivalent to zero when used as a divisor in a formula. The value for this entry must be a numeric value greater than or equal to 0 and less than 1. The default value is 0.001 which means a range from 0.001 to -0.001.
- All member selections presented in the Activity report's title are now transferred to Excel to provide complete information for the data.

OpenLink

- You can subdivide fields or columns based on internal delimiters or fixed spacing. The newly created columns can be mapped to dimensions and do not require transformations. This new ability supports dividing general ledger codes into their components; it also supports the import of fixed, non-delimiter files. See the OpenLink Guide for details.
- When importing source data from BIS, OpenLink recognizes hierarchical information based on referenced account parents in the Schedule dimension and automatically builds subtotal (downfoot) formulas when creating the BPA model.
- You can now import balance sheet movement data. OpenLink uses the movement data to calculate and store the Period End Balance for balance sheet accounts. See the OpenLink Guide for details.

Application Studio

- The Report Export Manager has been added to Application Studio. It helps you to create and manage Export Profiles, which can be executed by any third party scheduler, to automatically produce and distribute prepared reports. The Report Export Manager supports exporting to several file formats such as PDF or Excel can directly print the reports, and supports email distribution of the output.
- The Database Alias dialog box has been enhanced to automatically supply the available BPA datasources after specifying the Decision Web server.
- Calculation time for lists with the property set "Expand to level n" has been improved.
- Application Studio can now access both member names and descriptions for BPA applications. This enhancement provides several benefits including the ability to create administrator reports with all member definition information, reports showing name or description for members, and providing drill through capability to detail information stored in other applications such as the Infor BIS storage.

- The WebServices Expert now provides a configuration wizard for Application Studio web applications. Users no longer have to manually configure their web applications but can use the configuration wizard for all possible configuration scenarios. This functionality is also available from within the Application Studio setup.

Office Plus

- Office Plus now supports Formula Mode reporting from BIS data. This provides greater flexibility and power when building queries and reports on BIS data. Use the QUERY.EXECUTE formulas to send queries to BIS export services, thus selecting columns and sorting the result in a dynamic fashion. Use the PARAMETER.SET formulas to filter your report. Use Excel formulas to add calculated columns or subtotals to your report or use Excel's formatting options and charts when in formula mode.
- The Database Alias dialog box has been enhanced to automatically supply the available BPA datasources after specifying the Decision Web server.

Consolidation

- You can create automatic and manual journals in simulation mode. Final journals can then be adopted in Consolidation; other journals created during simulation are automatically removed. All journals created during simulation can be rolled back without affecting consolidation.
- Journal numbering is now configurable. You can specify independent numbering based on scenario or period.
- Designer now includes an option to validate the structure of the database.

Setup

The following changes are specific to the installation and setup of OLAP, Application Studio, Office Plus, Designer and the License Server.

- The PM Prerequisites setup identifies required updates and installs everything needed without further user interaction.
- The server, client, standalone, and complete installation scenarios have been redesigned to provide streamlined installation of the prerequisites. See the BSA Installation Guide for further information.
- The All-In-One PM setup supports different installation types. The installation types provide different sets of product components that can be used for a server or client installation.
- Installing Application Studio Web Services can now be done through an additional automatic configuration of the needed web application folder.

- The PM Content setup is included in the PM All-In-One setup. This improves the usability and efficiency of the installation process.

Repository

- Media content can be exported and imported with more flexibility. Additionally, PNG files are now supported.
- The Initial Schema Fillup - Version update.txt provides details on the Repository schema. This file is in the Repository\bin\schema directory.
- The script to create a new Oracle schema has been enhanced to fit into your security policy.

Designer

- You can create multiple captions for cubes, dimensions and dimension levels. You can use this feature to define captions in different language which increases the usability of PM content in a multilanguage environment.
- Deleting tables and export services now also deletes all related meta-data information.
- During the development of a content model, you may end up with data stored within the Designer database that is unnecessary or unwanted. You can now automatically clean up the content and the staging area.
- You can import data from arbitrary fact tables to an OLAP cube by making the structures of the fact tables visible and selectable.
- You can now run incremental data loads. Incremental data loads can provide performance improvements.
- Configuring data loads has been simplified through new categorizations and a new filter type.
- Designer now automatically migrates your application to the new version. Previously you could split the table space into structure and data. With this release that is no longer possible.
- A rescue file is created when elements are deleted. The rescue file lets you recover any cube values that should not have been deleted.
- Multilanguage support of OLAP is improved. New languages can be added by selecting the language from a list of languages and cultures.
- The Dimension Editor pane has been redesigned to improve usability when working with parents and weighting.

User Management

The full name from the Active Directory or local user account is now used as a description in user Management. The full name is defined when you create a Windows account.

Fixed Issues

Application Studio

Issue ID	Description	Incident ID	Category
IREO-7P9EMU	Display of y-axis labels is bold for charts in web services when using clear type.		Hotfix
KUJI-7SEGJZ	Lists based on an Oracle database are not visualized properly in Application Studio	2580509	Hotfix
KUJI-7SAKKM	A specific report crashes when a selection in a combobox is changed	2583533	Hotfix
PMEI-7S2E23	Misleading error message in internet Explorer when changing a combobox selection after session timeout.	2578079	Hotfix
KUJI-7RZKYA	An invalid e-mail address is shown for sending crash dump files.		Hotfix
GLII-7RZAFP	It is not possible to writeback string values to a cell with the number format #.	2568848	Hotfix
KUJI-7SAH8K	A '.NET Framework unhandled exception' error appears when opening specific report	2546717	Hotfix
JRUK-7S8BCB	Area Chart referencing zero values is displayed incorrect-ly	2570248	Hotfix
PMEI-7S6HN4	When using a DBEXECUTE formula, cell comments are only displayed in web if you put the mouse exactly intothe center of the red dot.	2581573	Hotfix
KUJI-7RAH2W	An 'Object reference not set to an instance of an object' error occurs when trying to manage permissions for folders/ reports	2564470	Hotfix
T KUZ-7PVJ93 KU-JI-7QXBBX	Error when trying to Splash or write back to a base cell of TM1 9.0	2523302 2561307	Hotfix
CDOL-7PKL7E	Web sessions crash and create big files in the temp di-rectory of webservices.	2530872	Hotfix

T RAH-7QB-NCC	When creating a hyperlink formula to open an Explorer window with a folder, the folder wont open if the folder name contains a blank.	2542830	Hotfix
LSCT-7M5B3N	When setting a NULL filter for a BPA dimension, you receive #NA in the ROC cell of the hyperblock.	2470875	Hotfix
CDOL-7N8CSA	Links to other reports won't work in specific scenarios.	2503362	Hotfix
KUJI-7QXG6H	Application Studio crashes when changing chart type to portfolio and trying to edit the data source	2559558	Hotfix
LSCT-7R6GLA	T he Plus/ Minus buttons for a expand/collapse are no longer present in the Pick List manager.	2565106	Hotfix
KUJI-7QVJK3	A specific Application Studio report crashes when expanding a dimension.	2559076	Hotfix
CDOL-7REKCF	A relational list with more than 1024 rows cannot be shown in Webservices.	2564412	Hotfix

Issue ID	Description	Incident ID	Category
KUJI-7RCLUP	Batch print function prints the same report for several times	2538478	Hotfix
IREO-7RL-GHS	One wrong element name in a ROC formula causes several other values to be wrong	2568398	Hotfix
KUJI-7REUQC	Not possible to log on to webservices after editing the "Value of Language variable" setting in PM Administration	2485740	Hotfix
KUJI-7QMK-BQ	T he dialog to change the Aliases does not handle the password properly	2509058	Hotfix
T KUZ-7QQM5M	Input output variables do not work properly in style sheets	2540394	Hotfix
T KUZ-7QGEXT	Comboboxes don't open in webservices	2546837 2547606	Hotfix
RIBN-7QE-FYM	T he 'Inherit' setting cannot be used in the setting of a report catalogue	2308518	Hotfix
T KUZ-7PKMK9	Conversion from COS 5.2.2.45 to Repository 10.1.2 fails.	2527839	Hotfix
T KUZ-7PUM-LV	It is not possible (anymore) to choose more than one hierarchy per dimension when defining the data area for a filter or sorting.	2530698	Hotfix
LSCT-7NAFJG	Due to problems with the Excel export sometimes it was not possible to log on to Webservices.	2505854	Hotfix

PMEI-7QEFT2	When using Oracle as your repository database, Application Studio full client only accepts report unique names to find a start report, whereas Webservices only recognizes report unique ids.	2541902	Hotfix
PBLE-7L9LYP	Only either the element description or a element name of an BPA element can be shown - not both at a time.	2465878	Hotfix
JARL-7MFCB4	Issues when assigning global variables with onVision 5.2 Direct Link	2493112	Hotfix
KUJI-7REUSW	T he Offset function does not look the same in full client and in webservices.	2489821	Hotfix
KUJI-7RJTA4	It's not possible to disable the "Calculate automatically" function for Client-List.	2568589	Hotfix
KUJI-7REKCZ	Native Infor OLAP connections lists all dimensions below 'Unassigned Dimensions'	2489617	Hotfix
KUJI-7RKESS	When using secondary value axis, the automatic scaling for the second axis didn't return the expected result.	2571825	Hotfix
KUJI-7M7CRV	Revolving selection in client list sometimes ignores the order of elements in the dimension.	312238	Hotfix
KUJI-7QMJYV	T he options, how to set the output of a hyperblock using variables, is not describes sufficiently in the Application Studio Help.	2524220	Hotfix
KUJI-7QXET9	W hen using revolving lists in combination with OLAP subsets, Application Studio crashes.	2524149	Hotfix

Issue ID	Description	Incident ID	Category
T RAH-7JQGQF	T he error message for checked-out reports doesn't show the user who checked-out the report.	423536 2484657 2565124	Hotfix
KUJI-7QMC5Y	T he Migration from onVision version 5.2 to 10.1.2 fails for a specific repository.	2523559	Hotfix

Designer

Issue ID	Description	Support ID	Category
AFER-7P6P7J	Enhancement of Data Load properties - "Use external data" is renamed.	2493126	
AFER-7NBDMH	Create dimension with name ACC is now possible.	2505914	

IKOC-7NCD6P	Building dynamic subsets on special attributes such as "element type " is possible.	2500392
LSCT-7RQJRY	Drill down in parent dialog is now available.	2574772
AFER-7K3LQY	Curr dimension of empty Designer no longer includes the elements "Total" and "-".	424121

Office Plus

Issue ID	Description	Support ID	Category
T KUZ-7PKNKL	CELL.GET(C) formula reports return wrong values w ith nested dimensions	2529242	Hotfix
T KUZ-7P6NSH	Slow performance in 10.1 compared to 4.1	2516525	Hotfix - Performance
PNOK-7NXML2	Reports on Infor BIS: The setting "Show Column Names" has no effect.		Hotfix
T KUZ-7NXKUV	On BPA datasources in some cases the CELL.GETC formula does not return values.	2518092	Hotfix
T KUZ-7NXKT9	Eliminations are not visible for BPA database.	2517332	Hotfix
T KUZ-7NXKU2	Slow performance when retrieving data from BPA for a restricted user.	2515718	Hotfix - Performance

Issue ID	Description	Support ID	Category
T KUZ-7MFMD3	Office Plus menu is not shown during start-up if MS Excel menu has been customized.	2482596	Hotfix
IREO-7L9KDZ	After special sequence of actions Excel crashes when editing dimensions.		Hotfix
T KUZ-7LXMT3	An error message appears when using GETMEMBERID formula while not connected to the repository.	2483210	Hotfix
T KUZ-7M6M9T	An error message occurs when opening a specific global report.	2488843	Hotfix
KUJI-7QG-FUY	When moving a dimension to the header of the ad hoc report, the selection is removed. "	2534562	Hotfix
GGOZ-7Q4L8P	For the option "Slice-dimensions" the setting "All Hierarchies" doesn't work.	2541794	Hotfix
T KUZ-7Q2P94	Excel reports that use the VBA function "SaveAs" are saved twice.	2540217	Hotfix

LKOK-7QPHKE	When working with DBGETC, DE.NAME or SE.NAME formulas Office Plus is unresponsive after several actions.	2552957	Hotfix
SMAS-7QWHHH	In Alea ad hoc reports users can see values they have no permission to see, until the report is refreshed the first time. The parameter "SaveViewWithoutValues" is not supported.	2547593	Security
KUJI-7QUCFH	It is not possible to move Alea Ad hoc reports from one server to another.	413310	Hotfix
GGOZ-7PCLRC	When importing a Plain 1.2 view hierarchy names of parallel hierarchies look ugly.	2521826	Migration
KUJI-7QVKB9	T he element tree in the Pick Element dialog jumps to first entry when collapsing any branch of the tree.	2559672	Hotfix
SMAS-7RRKDR	T he 'ServerConnectEx' VBA function returns a error message when the server connection succeeded.	2575400	Hotfix
KUJI-7RKEPN	An 'Object reference not set to an instance of an object' error occurs on DE.NAME formula.	2545012	Hotfix
SMAS-7RRKAU	T he 'ServerConnect' VBA function produces a crash if the password is not specified.	2575400	Hotfix
SMAS-7RJHQN	Office Plus crashes when writing back values to a a protected sheet.	2571506 2571126	Hotfix
MORD-7KAGSZ	No Values are displayed when selecting 3 or more dimensions in an Alea Adhoc report.	422988 2474077	Hotfix
MORD-7L9CBQ	An error message appears Error message when opening a formula report with a diagram	2471469	Hotfix
KUJI-7RHG8V	W hen importing Alea views the description isn't imported.	404446 425492 2299223	Hotfix
T KUZ-7LHGNZ T KUZ-7PTLZZ	Attribute filter causes error in MDX statement	424764 2492357	Hotfix
IREO-7QBKQ4	Changes in template are not applied in the report	2545448	Hotfix
KUJI-7RGN8K	Lower cases in a cube name cause problem when creating accelerators	2465669	Hotfix

Issue ID	Description	Support ID	Category

KUJI-7RKF78	Style Wizard crashes with runtime error 9 when editing background or font color	2569892	Hotfix
GGOZ-7R5KAY	Excel Workbook closes without saving changes	2563533	Hotfix
CDER-7KHLHE	Alea ad-hoc reports with nested dimensions don't return values.	2320250	Hotfix
LKOK-7EGC2N	Accelerators are summarized after editing them with Excel	411640	Hotfix
KUJI-7RGTLR	F o r empty values the AT.gET formula shows an error instead of #NA.	2522563	Hotfix
KUJI-7RJ-TYG KUJI-7QXGAP	Specific macros cause a crash of Office Plus.	2565093 2470006	Hotfix
KUJI-7QFH-WY	T he COM function Application.PickDatabase displays database aliases in order which is different from order in Database Structure.	2544523	Hotfix
KUJI-7RBFP5	W hen renaming a report using special characters, the reports are not shown in Local Report folder. For Global reports, such reports will cause error messages when opening them.	2565756	Hotfix
KUJI-7R4L4U	When using the VBA method 'ServerConnectAuto' the Log On dialogue will not be displayed.	2561324	Hotfix

OLAP

Issue ID	Description	Support ID	Category
GGOZ-7N2DD3	T he function DataPutValue always returned true on 64bit system.	2493193	
MRIE-7PBLNP	No error log was created after a dimension import failed.	2521801	Hotfix
SMAS-7PDNCX	Performance issues while calculating in OLAP server	2525957	Hotfix
LKOK-7PJGL4	Issues while editing stand alone dimensions leads to problems.	2527051	
RMAA-7Q4LG8	Importing of elements with more the 71 characters is no longer possible.	2541739	
MRIE-7QN-JMB	Database Setting "Cube Loading (GLOBAL) is now available in PM Administration.	2547068	

MRIE-7QN-JSE	Incorrect information was displayed in PM OLAP Administration. The Information (Automatic cube loading "None" instead of "ALL") from UsedConfig is not displayed in PM OLAP Administration.	2547068	
SMAS-7R4KFL	The creation of logfile.bin has been removed from Alea server.	2560261	
CDER-7R6BEC	It was possible to delete public subsets without sufficient permissions.	2564348	Hotfix

Repository

Issue ID	Description	Support ID	Category
CDOL-7FVHKH	The inherit mark in PM Administration in the user settings of the report catalog is now taken into account.	2308518	Hotfix
PMEI-7R4KJC	The Repository registration information must be reentered if you view the properties of the registration and the database for the registration has only db_owner permissions.	2544588	

10.1.2

Infor Business Information Services Integration

Infor PM supports the latest version of Infor Business Information Services (BIS) as part of Infor's SOA strategy. PM Designer can pull data from the BIS to populate Infor PM OLAP models. Infor PM BPA's Import Wizard can be used to build BPA relational models from metadata stored in the BIS and OpenLink can pull data from the BIS to populate BPA relational models. This capability lets you share data from other Infor SOA-enabled products and to build a foundation for Infor Decisions and financial reporting.

Infor PM Application Studio and Infor PM Office Plus can produce reports directly from Infor BIS data.

You must have Infor BIS installed to use these features.

Infor Security Support

Infor Security lets you access Infor products by entering your authentication credentials only once. The ability to use the Infor Security with Single Sign On credentials lets you move freely between Infor products.

Business Edition

The Business Edition for Budgeting and Planning includes twenty-two new Application Studio reports and five report templates. The Application Studio reports include basic financial statements formatted for printing.

Infor PM Office Plus includes an XBRL Enabler that supports taxonomy extensions, data validation, face financial statements tagging, and entity information and disclosure note tagging for creation of a complete XBRL instance document from a BPA relational application. An XBRL instance document example using the US GAAP 2008 taxonomy is included for the BPA Business Edition.

Budgeting/Financial Consolidation

Expanded Approval Process Support

OpenLink can verify the approval status of monthly data as easily as yearly data when the updated Approval Process in the BPA master template, TPL_DisplayView, is used. Verifying the approval status of monthly data is possible because the new Approval process stores the approval status by each individual period rather than just in the single December period.

OpenLink Load Properties Wizard Improvements

For details on the following Load Properties Wizard improvements, see the OpenLink Guide.

- The OpenLink Columns tab on the Load Properties Wizard indicates the status of dimension mapping by changing the source column mapping from orange to green when mapped. This color coding makes it easier to track the status of dimension mapping to prevent load errors due to incomplete mapping.
- When a dimension is mapped, OpenLink sets a default for the data type based on load file values. If OpenLink detects an alphanumeric value, then the suggested dimension type is Member Name. Otherwise, the default dimension type remains Member ID.
- The new Automap icon on the Columns tab automatically creates default mappings based on assumptions made from English column headers.

- OpenLink preserves mappings, when possible, if you move between wizard tabs to make changes to the load definition, such as text qualifier or delimiter. Dimension mappings are also preserved if you switch load type or data layout.
- Performance is improved when loading preview data on the Source tab.

Order of Processing OpenLink Transformations

In OpenLink, if multiple transformations match a field from a file or table, transformations are now always processed in the order in which they display on the Transformations tab of the Load Wizard. Previously, OpenLink applied transformations in the order you created them, and it was possible for an entry that is lower on the list to have priority over one higher on the list due to editing sequence.

Updated Approval Process

Faster, Easier Setup with BPA Master Template

The BPA master template, TPL_DisplayView , now supports the Approval process. The single master template replaces all of the previously required Approval process templates. The TPL_DisplayView template also acquires the required connection information automatically from the referenced views eliminating the need to manually update an Approval process ASP file.

In addition, a new set of Approval Process ASP files makes the Approval process setup faster and easier. The APVariables.asp file automatically defaults to the Unit dimension as the approval dimension but can be customized to reference a custom dimension instead. As it is the only ASP file requiring modification, it is still installed in the MPC\AP directory; since the remaining ASP files require no manual configuration, they are now installed in the main MPC directory, and will be updated automatically with each release.

The new Approval Process no longer requires or uses the Approval_Button view. A separate approval cube is not longer required to implement the Approval Process in BPA/AS. Setup is similar to that for relational environments except for two manual steps to allow writeback to parent member and disable rollups for the status schedule.

For details on setting up the new Approval process, see the BPA Workstation Administration Guide.

Added Flexibility

For added flexibility in the functionality:

- An approver can now change an Approved status to Rejected from the Approve or Reject page. Previously, the Reject icon was unavailable once you approved the data. The reverse is not true; you cannot approve data once you reject it until it is resubmitted for approval.
- You can manage the approval status of each period and year individually. This facilitates the implementation of the Approval Process across years as well as differentiates between the business workflow for Financial Consolidation (monthly workflow) and Budgeting (twelve period or yearly workflow).
- When approving submissions for consolidated periods, such as Quarter 1, all leaf periods are automatically marked as approved.

- You can set up the Approval process to submit, approve, or reject data for multiple approval members (e.g., units) at the same time. The multiple members also display in the Approval Notes dialog box with the capability of entering an individual note for each member.
- The Approval Submission page now displays the active approval dimension members to clarify the approval status that is being referenced.
- The Approval process supports any SMTP email provider. Emails are sent automatically after data is submitted or approved/rejected including the Approval Process action that has been done as well as any entered notes by the submitter or approver.

New Look and Feel

The Approval process pages have a new look and feel. For example:

- The dimension buttons are now grouped according to their impact on the status. The approval status is tracked by the Approval process schedule line and these dimensions: Period, Unit, and Version (referred to as the "Status" buttons on the user interface). Remaining dimensions are classified as "Non-Status" buttons.
- Submitter's and approver's notes are relocated to a dialog box, which you can open by clicking the notes icon on the toolbar. This move allows a greater viewing area for the approval data.

Financial Consolidation

Intercompany Transaction Detail Report Enhancement

The Intercompany Transaction Detail report now displays existing translated intercompany data generated by prior reports in the event all selected periods are outside the focus range. Previously, the report could display existing data for out-of-focus periods only if the selected period range included at least one open period.

Automation of Default Behavior for Notes in Audit Reports

You can control the default journal and adjustment note presentation behavior in the Journal Definition and Audit by Journal Name reports with the new Notes parameter. If the parameter is missing from the Journal Definition and Audit by Journal Name topic's URL, the reports do not include either type of note. See the BPA Workstation Administration Guide for details.

Planning

Oracle-only Schema Support

The entire Planning suite fully supports an Oracle-only relational schema environment: applications no longer require Microsoft SQL Server to house the Model Manager database for creating Planning models.

If your Model Manager schema is in Oracle, you can create Planning models in Infor PM OLAP.

Disabling Formula Reversal

You may want to deactivate the formula reversal behavior that is a key feature of Planning when using the CBR workbook in a pure reporting environment. This change applies to all formulas in the CBR workbook whether they are part of the BPA information or are Excel formulas entered by the workbook user. See the Planning Guide for details.

Setup Improvements

Decision Installation Together with OLAP, Designer and Application Studio

The PM umbrella setup that installs OLAP, EIF Designer, Application Studio and Office Plus can now install Decision.

Decision Views Database Installation with PM Content Setup

The PM Content setup supports the deployment of Decision views.

Changed OLAP and Office Plus Setup

The OLAP setup has been renamed to “OLAP and Office Plus Setup” to indicate that two main components can be installed with this setup. Furthermore the feature tree has changed. Office Plus tree node is now at the same level as the OLAP tree node. This makes it easier to install the needed components.

It is possible now to install Office Plus on a client machine without installing any OLAP components.

OLAP and Designer

Improved Performance

Further optimizations in XML communication improve the performance of the OLAP Server.

Single and Double Quotation Marks around Dimension Names in Rules

Due to changed restrictions on the names of dimensions, it is possible to include spaces into names since version 10.1. In order to make these dimensions usable in rules, it is now possible to encapsulate them.

Infor Common Clear UX Style

The look of the main property pages has changed to follow the look and feel of the Infor common product style guide.

Import of Multiple Hierarchies

This feature improves the importing of hierarchical structure from a source system. If a source system provides hierarchical information with multiple parent-child relations like a chart of accounts, the Designer can rebuild the structure dynamically.

Furthermore the performance has been increased. Reading the source information and displaying the list of elements and the appropriate hierarchy in the mapping pane is much faster.

Weighting of Elements within a Hierarchical Structure

Together with the hierarchical import, weighting provides the capability to create the weights of OLAP elements dynamically.

Synchronization of Attribute Information

Source table fields can be used for attribute mappings. With the new version the complete chain of the mapping process can be processed automatically.

Business Information Service Support

Connecting to Infor Business Information Services (BIS) Export Services is fully supported. Usability has been enhanced by the ability to add and delete single BIS Export Services objects in the source configuration.

Export Services Groups provided by BIS are supported. Export Services are grouped automatically in Designer depending on the BIS configuration.

Changed Behavior for Common Project

All dimensions and cubes related to the Common project are created for all OLAP databases. If a model is configured to create two OLAP databases, common dimensions and cubes are created for both databases automatically.

With 10.1.2 the hidden project Common is now visible in the Designer tree.

Changed Behavior for Drag 'n' Drop Dimensions and Cubes

Dimensions and cubes created in a specific project are related to this project with an internal license. Drag'n'Drop a dimension or a cube to another project now changes the internal project license. This is important if you work with multiple projects created to multiple OLAP database.

Application Studio/Office Plus

Reporting on Infor BIS Data

Office Plus and Application Studio support Infor BIS as a relational datasource by letting you register the BIS server as a datasource. The datasource displays as an alias in the database structure, and the List Designer enables you to create queries for the BIS data (similar to queries for multi-dimensional data).

Using the new BIS reporting capability, you can use ad hoc reports to browse BIS tables, exchange columns using the drag and drop method, and use the paging functionality supported by BIS. These reports can be saved locally and in the repository.

You can also use BIS Shortcuts in lists to dynamically set the date for an ad-hoc report. The shortcuts are available in Office Plus and Application Studio using dynamic date functions like "Today, Yesterday, Last Week".

Application Studio

Usability Improvements

Application Studio includes usability improvements in the Data Area Definition of the List Designer and the Actions dialog box.

Version Labels

You can now enter a label for your report version while checking in.

Snapshorts

To support the Infor PM Decisions content builders, Application Studio can save snapshots of reports. These snapshots are report links that store the value of all variables that are used by the report. Snapshots can be used as any other report link: It is possible to jump to snapshots, see the snapshots in the reports tree, and apply permissions to the snapshots.

Calculations on BPA

When using Application Studio on BPA data sources, reports can now include calculations, such as Variance, Financial Variance (Decision’s Expense Variance), Sum, Average, and the like.

Decision

Convenient Error Handling

Error messages incurred while loading data to a Decision grid are displayed in the user's browser in addition to being written to the Event Viewer.

Ability to Edit Exceptions

The Edit/Delete Exception command on the shortcut menu lets you edit both alert and reporting exceptions as well as delete any exception. You can redefine range values for any exception and change range colors for reporting exceptions. This new command offers more flexibility than the Range Slider, which limits you to changing range values for reporting exceptions only.

Fixed Issues

Application Studio

Issue ID	Description	Incident ID	Category
IREO-7K6FVZ	In a specific model the Select Member Action doesn't work sometimes.		Hotfix

KUJI-7KFMWW	Application Studio crashes under specific circumstances when selecting clientlist.set in List Designer.		Hotfix
IREO-7KD-KLN	After an OLAP dimension with modified attributes has been updated by Designer lists are destroyed.		Hotfix
KUJI-7KFMX7	T he enabled checkbox doesn't work with value based filters.		Hotfix
IREO-7KHKUA	An unhandled exception appears in the report wizard when adding a new index.		Hotfix
KUJI-7KHSMP	In some specific cases searching in the Select Element dialog doesn't work.		Hotfix
T KUZ-7KM-MG2	W ith an OLAP native connection the setting 'Any Value' in the data area definition only returns base elements instead of consolidated values.	2320203	Hotfix
T KUZ-7KQJ59	W ith an OLAP native connection in a customer's environment the dimension rule is shown instead of an attribute value.	2320203	Hotfix
T KUZ-7KPCVD	After an update from 10.0.2.129 to 10.1.1.124 some hyperblocks which use filters on AS 2005 are not working correctly.	2320231	Hotfix
T KUZ-7KTEJ5	With an OLAP native connection the data area in a ROC formula gets NULL as result.	2461994	Hotfix
T KUZ-7L3HR9	In a specific customers report Application Studio crashes when trying to edit a hyperblock.	2463630	Hotfix
T KUZ-7L5GSY	Copy and paste of some reports in Consolidation model fails.	2320031	Hotfix
KUJI-7L4MTZ	Empty elements in ROC formulas should be detected and return #NA without calculation.	2124000	Hotfix
PNOK-794GXC	In a customer environment the "Hyperblock Wizard" crashes when using a native connection to Infor PM OLAP.		Hotfix
IREO-7L6M2W	Report name, unique name and ID info should be included in the log file.		Hotfix
T KUZ-7L9CZG	In a customer environment an error message appears when writing back data to Analysis Services 2000 with a non OLAP administrator.	2467311	Hotfix

Issue ID	Description	Incident ID	Category
IREO-7MCFY4	Value labels in pie chart do not appear.	2485826 2490626	Hotfix

VLAA-7LWG7Q	If you use Undo Check-out on a report that was never checked in, the report is deleted without any warning.	424872	Hotfix
KUJI-7LTU44	Up and down arrow (cursor) keys do not work in relational list designer.	2469788	Hotfix
IREO-7M2MBN	W rong error message from Analysis Services 2000 is shown after not allowed writeback.	2487288	Hotfix
KUJI-7LTUSH	Preview of a client list with inverted hierarchy isn't shown inverted.	424855	Hotfix
LSCT-7LGBL4	Flat client list with data filter only returns up to 25 rows	2470725	Hotfix
IREO-7LRHYG	It is not possible in a native Alea connection for a client list to change the method for the sorting in the data area.	2481320	Hotfix
KNET-7HUAL5	Documentation of silent installation of Application Studio is missing.	420044	Hotfix
T RAH-7JEE49	Application Studio Scripting: Event ActionExecute is not sent always.	422670	Hotfix
LSCT-7KVKSJ	Error 65 appears when writing back to an element containing umlauts in the name.	2463108	Hotfix
LSCT-7KQJXX	Error trying to update Application Studio project on Oracle Database.	2462333	Hotfix
AFER-7JBGW8	No message appears if a user clicks on a report jump which links to a re-	422631	Hotfix

	port but the user has no permissions to see this report.		
CDOL-7KMKSW	Problem with the cursor which jumps in another cell after deleting values.	2317118	Hotfix
LSCT-7JXJWA	Client list designer displays plus sign next to leaf members	423554	Hotfix
CDOL-7JUGZG	After editing the report permissions and a jump to report Application Studio crashes.	422569	Hotfix
CDOL-7J3LBS	T he Error handling of Application Studio Webservices has been improved by several means.	421996 422025 420050	Hotfix
T RAH-7JDL2K	After the update from a 10.0.2 version to a 10.1 version the order of the elements in the dialog 'Edit Olap Formula' does not match any more with the oder of the dimensions in the list.	292116	Hotfix
PBLE-7J7E37	One cannot expand a specific hierarchy in comboboxes.	421954	Hotfix
CDOL-7G8C99	T he problem is that the "Calculate formulas by pressing F9" properties didn't work. The formulas will not be calculated after press the F9 button. On a earlier version it works without problems.	417267	Hotfix
UELS-75WHS4	T he installation caused "NET Runtime Optimization Services" messages in the Event Log	316727	Hotfix

Issue ID	Description	Incident ID	Category
CDOL-7HRF8V	T he data filter on a Native connection in a client list does not work in the AS reports after upgrade to 10.1.0	421093 421289	Hotfix Migration
PBLE-7HHDZ4	T imeout problems with reports based on SQL stored procedures were observed.	419517	Hotfix
T RAH-7EGKXX	Charts: - no labels are shown when data point is at the border of the chart.	412432	Hotfix
CDOL-7ENARD	T he cursor does not jump to the first cell in that line if you press the Pos1 key.	412861	Hotfix
PBLE-7HADXP	In a report where a freezed pane is used and the script command 'Spreadsheet.ActiveWorksheet.Zoom-1' is used, it leads to an error message when you try to open a combobox on the left side of the fixation.	418615	Hotfix

Application Studio WebServices

T KUZ-7K2KSH	After upgrading from 5.2 to 10.0, some values are displayed incorrectly in Webservices.	422103	Hotfix
T KUZ-7L2JUB	T he splashing function LIKE doesn't work in Webservices.	2465528	Hotfix
PBLE-7J6BQE	A report that works fine in Application Studio does not work in webservices. As soon as you click on the report to open it, webservices goes back to the logon screen.	422106	Hotfix
PBLE-79VKMN	An image that is used within an Application Studio report is shown in the client without any frame; but in the web this image is shown with a frame.	400210	Hotfix

FAHD-7L3MLS	T he DirectLink parameter "AutoLogout" for Webservices does not work.		Hotfix
PBLE-7JJKLC	When having a dependent hyperblock from a listbox and the Pick List Manager controls the display of the hyperblock than the pick list is not updated in the web when changing the listbox.	423100	Hotfix
T KUZ-7L5GS6	In a customer created report the navigation back to the start report leads to an error message in Webservices.	2464525	Hotfix
KNET-7L3D2J	T he "Indent Text" feature for hyperblocks doesn't work correctly in Webservices.	2465412	Hotfix
T KUZ-7KMC-GY	For specific reports write back doesn't work properly in Web Services when using Internet Explorer 6.	509539	Hotfix
T KUZ-7LAJV4	T he 'Select Element' dialog in Web Services doesn't work properly	424569	Hotfix
T KUZ-7L9DTS	A script which works fine in Application Studio fails in the W ebservices	2320084	Hotfix
IREO-7LKH6D	Hidden rows are not shown correct in webservices with freezed panes	2468291	Hotfix
T KUZ-7LPEL6	If you use a big splashing syntax and the cell isn't wide enough, it doesn't work in webservices.	2465528	Hotfix
T KUZ-7KXMH5	H y perlink mode actions are not underlined in Web Services.	423338	Hotfix
T KUZ-7LWFJF	Copy and paste in web services doesn't work with Firefox 3.0.4.		Hotfix
T KUZ-7M6EY7	W eb services: Line break with key control while writeback values isn't possible anymore	316690	Hotfix
T KUZ-7LW-EYE	Webservices: Jumps via actions which work fine in Application Studio cause errors in Webservices	2482549	Hotfix
IREO-7LXKZU	Folder Print only works in Webservices with "Browse Folder/Reports" permission on the report catalog level	421347	Hotfix
T KUZ-7MFF6T	T he content of cells in freezed panes is truncated in webservices.	2488145 411173 318322	Hotfix
IREO-7LXJSZ	Error in Webservices with a specific report using a value filter.	423986	Hotfix
IREO-7LXL89	DirectLinkManager: When using Windows Authentication you have no possibility to select the project and report catalog.	318492	Hotfix

PBLE-7HEHWB	Reports are not printed in the correct order	420055
IREO-7G4J44	Amount of print-copies is doubled when printing out a report	414617
PBLE-7JLE3R	More copies as entered are printed in onVision when using more than one copy	423209 423618
	Report property "manual selection" leads to wrong values when having a printout with more than one value for an object like combobox etc.	414003
CDOL-7DG-BGH	T he footer is not displayed when you edit the font or change the position of the text	409205 409969 418857 416056 421738 421432
IKOC-7K7HRS	Error in Print Settings dialog causes problems when editing page footer margin.	423445
CDOL-7KGC89	When you replicate certain lines in a report they will displayed and printed out twice.	425095
PBLE-7JKK45	W hen changing batch print settings in batch print dialogue at the customer an exception error occurs.	318512
IREO-7KPHQA	An exception appears when trying to set folder print settings for the BSA_Template folder.	
AFER-7GJMKQ	Issues in page setup of reports and printer settings have been solved.	417646
FAHD-7JXH6Z	If in the Page Layout a user defined text is defined, it is not possible to print the report.	
VLAA-7LKDGA	Borders in PDF Print messed up in certain reports.	2319979
IREO-7LXL8W	Batch print prints the same element repeatedly when Pick List Manager is used in report.	410233
IREO-7LQMTT	List view members are not displayed in batch print dialog if data filters are depending on other list views.	252019
GLII-7DD4KQ	Unnecessary page breaks are inserted when printing a report.	408655
PBLE-7JDKH3	No report objects are displayed for a report in the "Print Folder" Wizard in WebServices when the report is not pres-elected - that means you have already selected this report in AppStudio client via 'Edit print settings ...'.	422801

FAHD-7JXH6Z	If in the Page Layout a user defined text is defined, it is not possible to print the report.		
T RAH-7HY-DAA	T he same report for the same user on the same system is at one time calculated with single cell reads which is slow (36 sec) and at another time opened with clustered reads which is fast (13 sec).	420498 318469	
LSCT-7HFDEF	Slow performance opening two reports in customer model	318469	
T RAH-7H7L7P	BPA performance has been improved by several means.	292006	
IREO-7KFEYM	T here is a performance issue when using ODBO connection with splashing.	423400	Perfor-mance

Designer

Issue ID	Description	Support ID	Category /
AFER-7KWD-BK	VB script which can create a single dimension is re-quired.	2319671	Hotfix
AFER-7KTJ8P	Update of Designer database fails when updating to version 10.1.1.	2463022	Hotfix - Migra-tion
AFER-7LHKDB	Validation error occurs when running db-creation by using the creation-script.	2468147	Hotfix
AFER-7LBE2C	Designer update stops at update step 1801 because of an error.	2472479	Hotfix - Migra-tion
AFER-7LTLGN	Error message when opening the properties of a cube.	2480865	Hotfix
AFER-7LREG6	Element.Type Column is not created by the Designer.	2481461	Hotfix
KNET-7LTFHP	Rules in Designer will be wrongly transferred to OLAP server.	2482474	Hotfix
KNET-7LTFWL	T here is no possibility to deactivate rules in Designer	2482474	Hotfix
MORD-7M8ENR	Error when updating Repository database.	2489025	Hotfix - Migra-tion
AFER-7GJEYF	Relation problem after editing SQL-statement.	318372	Hotfix
AFER-7LW-GRE	Connector: Mapping content is not refreshed some-times.	413001	Hotfix
AFER-7FHFP5	F irst row is missing when copying and pasting from MS Excel to Designer dimension.	414761	Hotfix
AFER-7H3FZA	Cube rules are deleted when doing an incremental database creation.	419429	Hotfix

AFER-7KFGBA	Not possible to delete elements of some dimensions.	422208	Hotfix
AFER-7JBCVH	ODBO dimension type is not displayed or not saved.	422544	Hotfix
AFER-7JBD3F	It is not possible to create a dynamic range when the dimension has more than 8 characters.	422583	Hotfix
AFER-7JRJ7V	A cube name should be displayed instead of cube-description.	423546	Hotfix
AFER-7JSJ3Q	tng_consolidation db alias is incorrect after database creation.	423682	Hotfix
GLII-7JYAHE	Character length limitation in Event Agent	424218	Hotfix
MRIE-7KAJEM	"Back" function issue	424851	Hotfix
KNET-7KFG62	Rules and accelerators will be lost when you create the designer database incrementally.	425442	Hotfix

Office Plus

Issue ID	Description	Support ID	Category
IREO-7HWC3A	In some dialogs the online help cannot be opened.		Hotfix
T KUZ-7JEJY6	F o r specific Excel 2007 versions an error message appears when starting PM 10.	422314	Hotfix
IREO-7KHHNB	Office Plus displays global client lists created in Application Studio when they belong to measures hierarchy.		Hotfix
IREO-7KQEJP	In a specific report, dragging a dimension to exchange dimensions will lead to a crash.		Hotfix
T KUZ-7KUMYR	Connecting to a specific repository is not possible if MS SQL database is case sensitive.	292120 423185	Security
T KUZ-7LQH-PC	It is not possible to write accelerators and rules.	2472491 2472493 2480403 2482250038	Hotfix
CDER-7KGLW8	It is not possible to create rules with the "Create Rules" dialog of Office Plus.	425603	Hotfix
VLAA-7LKD-NW	It is not possible to edit dimensions using the "Edit in Excel" method.	2468538	Hotfix

LKOK-7JXH9U	If You use the formula "SE.NAME" or "SE.INDEX" MS Excel will freeze if you want to define the field "Element".	508471 425034 2474606	Hotfix
T KUZ-7LXMSH	Huge values in a cell are not correctly displayed when the left pane is open.	2483205	Hotfix

Issue ID	Description	Support ID	Category
T KUZ-7LHG-PV	Certain reports crash when recalculated in Excel 2007.	2320035	Hotfix
T KUZ-7LXM-LY	DB.GETC formula doesn't show values if the report is greater than about 1200 rows.	2481105	Hotfix
T KUZ-7LS-GT9 MORD-7KAGSZ	No values are displayed when selecting 3 dimensions in an Alea Ad-hoc Report.	422988 2474077	Hotfix
T KUZ-7LXMTK	DE.NAME formulas are overwritten by an entered value under special circumstances.	2483216	Hotfix
T KUZ-7LXM-RJ	When referring to another cell and double-clicking the cell an error occurs.	2483195	Hotfix
IREO-7L9KDZ	After special sequence of actions Excel crashes when editing dimensions.		Hotfix
T KUZ-7MEEE5	Wrong values are shown for BIGINT values from AS2005.	2491524 421497	Hotfix
T KUZ-7N3FJN	Office plus crashed With Excel 2007 when trying to run a special report.	2481091	Hotfix
T KUZ-7MFMD3	T he Office Plus menu is not shown with the start up if the MS Excel menu has been customized.	2482596	Hotfix
LKOK-7ETJKQ	T he standard behavior when entering values has changed.	413073	Hotfix
T RAH-7AJMLC	When writing back to Analysis Services 2005, the splashing returns wrong calculation results. Please note that Analysis Services itself doesn't distribute values correctly itself.	403363	Hotfix
T RAH-7EFL52	An indicator is missing to show that there is a filter active on a hierarchy.	412314	Hotfix
GGOZ-7CND-SL	When changing the "Automatically calculation Alea Ad-hoc Report" setting error occurred.	404788 318008	Hotfix

SMAS-7HQD-NW	When using the Find and Replace function of MS Excel in a Formula Report, the "Find what" and " Replace with" fields are already filled.	421118	Hotfix
SMAS-7JEC52	When browsing a parent-child dimension in ad-hoc reports, the expand indicator (+/-) will not be shown correctly.	422682	Hotfix
T RAH-7AAH65	Old Excel workbooks are still visible in the Visual Basic Editor (the editor for Macros of Excel) although the Excel Workbook was already deleted.	317576	Hotfix
MORD-7HEM5V	Documentation of Splasher COPY function is incomplete.	418421	Hotfix
MORD-7GTL-BZ	With certain database attribute values are shown in a cryptic way.	415674 421397 422161 422762	Hotfix
SMAS-7KVM7M	In a certain Formula Report the CELL.GET formulas won't show values.	2319793	Hotfix
SMAS-7JEDAS	When browsing a cube with multiple hierarchies per dimension, the wrong hierarchy will by used as default hierarchy of dimensions.	422684	Hotfix

Issue ID	Description	Support ID	Category
LKOK-7JR-CLG	Automatic connection of the last used repository doesn't work if you open a DB.GET report.	508404	Hotfix
LKOK-7KAEYU	T he function "Keep Elements" doesn't work in Alea Ad-hoc reports	425033	Hotfix
T KUZ-7LXM-SX	Error when creating GETMEMBERID Formula with "Formula Wizard".	2483210	Hotfix
IREO-7LTLHS	T he HELP doesn't open from within the "Edit Rule" dialog.	2474752	Hotfix
IREO-7M2HMU IREO-7LWKQF	Office Plus formulas produce errors when the Database Alias name contains "/" or "-".	50 8 4 0 5 24 6 8 4 85	Hotfix
GGOZ-7BRMTB	An error occurs when using element with special character ("%", ". ") in the expression in Rules Editor.	404112 412298 411639 2494467	Hotfix

CDER-7KVHZG	T he "Choose Element" dialog only shows the default element, although "Default Structure Selection" was set to "Root Level".	2460387	Hotfix
SMAS-7LYJ7B	T he AT.GET formula causes an error in certain combination with VB macro.	2482326	Hotfix
LKOK-7M6LRS	T he KEY.GET formula result has a quote at the beginning if a blank stands before the last MEMBER.CNAME parameter.	2487121	Hotfix
GGOZ-7JCGH6	T he VB command ActiveWorkbook.Close doesn't close the VBA project.	421895	Hotfix
LKOK-7LKF4U	Office Plus crashes in interaction with certain VBA code.	2477376	Hotfix
T KUZ-7JE-JXG	Issues appear when closing a Formula Report using VB commands like "Close SaveChanges=False" or "ActiveWorkbook.Saved = True".	318472 422127 2459411	Hotfix

OLAP

Issue ID	Description	Support ID	Category
CDER-7MCM-LK	It is not possible to write data via ODBO connection in Office Plus.		Hotfix
JFIR-7LKJYU	Cell to SQL does not work in PM 10.1.1.	2462273	Hotfix
SMAS-7LZM49	Performance issue on dimension if 'Flat View' is set.	2464082	Hotfix
CDER-7LJJ8D	Zero suppression in Alea Ad-hoc report does not work reliably.	2467990 2468238 2478137, 2489895	Hotfix
JFIR-7LQERA	OLAP Server crashes/hangs while executing splashing operations	2477288	Hotfix
PMEI-7MDFC2	Server backup will fails with interval value '00:00'.	2478075	Hotfix
SMAS-7NCDBH	It is not possible to add new elements with Dimension Browser.	2505825	Hotfix
SMAS-7FZEEY	Disable trace mode option	259587	Hotfix
MDOL-7HHB2U	OLAP cube has more than one measure dimension in Application Studio.	408804	Hotfix

CDER-7DDATN	Stopping database returns "Invalid or missing parameter" message.	409083	Hotfix
SMAS-7JSCCL	Trigger information "NOP" does not work.	417089	Hotfix
JFIR-7JCGEJ	If a role with a umlaut is created in repository, the regarding element's name in # grp dimension is blank.	421902	Hotfix - Security
GLII-7JY37F	The Event Agent won't work when entering zero on a parent element.	508963	Hotfix

Repository

Issue ID	Description	Support ID	Category
JFIR-7HBLC2	Changes to the names of a MS Windows group in ADS are not updated in the repository.		Hotfix
MORD-7KMB4S	'Object reference not set to an instance of an object' error occurs when trying to add Users and Groups to the customer's User management.	2320326	Hotfix
RIBN-7KWD6V	Setting a start report for Windows groups is not possible.	2459601	Hotfix
LSCT-7MEK3P	Cannot open the properties of BPA authentication provider.	2472468	Hotfix
GGOZ-7LLJ97	It is not possible to connect to an Oracle Repository with Oracle driver 10.2.0.3.	2478079	Hotfix
CDOL-7M7KPJ	Description will disappear if you register a Windows user a second time.	2489083	Hotfix
PBLE-7J59A5	Text element import into repository string table fails.	419446	Hotfix
IKOC-7JHGSL	Update of Repository from Application Studio version 10.02.072 to 10.1.0 fails.	422874	Hotfix - Migration
JFIR-7HBLC2	Changes to the names of a Windows group in ADS are not updated in the repository.		Hotfix - Security

10.1.1

Documentation

The Configuration Support Document is now called the Platform Support Guide and includes platform support for BSA components as well as BPA components.

In addition, the BPA on SQL Server or Oracle Installation Guide is the BPA Installation Guide.

Budgeting/Financial Consolidation

OpenLink (EIF Integration)

- The new name for EIF Integration is OpenLink.
- OpenLink trims off all leading and trailing whitespace when reading fields from a table.
- OpenLink now uses the period/year settings of the view specified in the topic's URL as its default setting. Respecting the view's off-grid member selections for period and year allows you to use keywords to update the default period/year displayed in the workflow.

  If desired, you can also control which units display in the work flow panel by specifying the on-grid units in the OpenLink topic view and leveraging a new database parameter. The initial unit hierarchy displayed in the work flow is dynamically derived from the on-grid members in the view. To implement this capability, you must manually add the new UseOnGridMemberInOpenLink parameter to the NONSTRUCTURE_PARAMS table, and set the parameter value to Y. For more information, see the OpenLink Guide.

Financial Consolidation

New Journal Entry Mode

BPA web administrators can configure Journal Entry to let accountants define, but not approve, web journals. Specifically, these restricted users can:

- Create, edit, copy, or delete journals with a Working – Not Available for Posting status only
- Copy approved journals (but cannot edit or delete them)
- Copy or reverse posted journals

A separate view can be defined to allow unrestricted users (such as controllers) full functionality, including the exclusive right to approve journals for posting and to edit or delete approved journals.

This enhancement eliminates the need to customize web journal ASP pages for administrators who want to separate the tasks of defining and approving journals.

The restricted view is made possible by the StatusMode parameter added to the URL for the topic. The new parameter controls the functionality of Journal Entry. See the BPA Workstation Administration Guide for details.

Financial Reporting

The TPL_DisplayView.asp template now supports viewing reports produced by Microsoft Reporting Services or Crystal Reports from a BPA Workstation topic. For information on setting up the topic, see the BPA Workstation Administration Guide. For details on viewing the reports, see the Financial Reporting - Reporting Services Guide and the Financial Reporting - Crystal Reports Guide.

Decision

The number formatting in the tooltip respects the number formatting specified in the view's grid style, attribute format, and member format as well as member format changes made from the web page. Temporary changes made to grid number format using the Default Number Format menu are not reflected in the tool tip.

Single Sign On Support Across Components

In 10.0, if a customer uses Application Studio or Office Plus to report on BPA data, the customer had to maintain duplicate user security configurations. This requirement has been removed. Office Plus and Application Studio are able to interact with BPA's security system.

- It is possible now to use BPA authentication to connect to a repository.
- With the new authentication setting for BPA Database Aliases "Use existing connection" it is possible to directly hand over the connected user to the BPA data source.

Office Plus

Several enhancements have been introduced to support customers who are migrating from MIS Plain 1.2 to Office Plus 10.1.x:

- Painting of dimension labels by the MDX.EXECUTE is optional now.
- The Session.Close method will be reactivated to allow customers to clean up session member calculations.

- To make conversion of Plain 1.2 views to Office Plus ad-hoc reports easier, an option to select the target alias for each ad-hoc report will be added.

Application Studio

The current selection of icons and images in the repositories 'Media Content' folder supports a Windows XP'ish style. A new set of icons has been added to the 'Media Content' folder to be consistent with the Infor User Experience interface.

OLAP

Calculation Improvements

The OLAP calculation engine has been improved such that elements with multiple parents will be supported by the rules functions OpeningPeriod and ClosingPeriod.

Unicode Extensions

Needed improvements in Unicode support for user name, password and database name have been implemented.

Designer Oracle Support

Designer supports Oracle as project database. Please refer to the "Supported Versions" document for details.

Designer Usability

User role management has been enhanced to improve the user interfaces and work flow process.

Description Support

The browsing of generic OLAP Server Cubes has been enhanced by the usage of labels and descriptions instead of the technical names. For each Cube and Dimension name the user can specify a description which can be used in Office Plus and Application Studio to guide the user with more meaning full names.

Fixed Issues

Application Studio

Issue ID	Description	Category
AFER-7FBF7S	When printing out several copies of a report or a report batch, twice the number of copies is printed.	Hotfix
CDOL-7FR-DUR	In certain environments, Application Studio shuts down when exporting a report to HTML.	Hotfix
T RAH-7FXLZ4	Changing to the _CurrentLanguage variable does not update combo boxes and list boxes that show language-dependent lists. One has to recalculate the report manually to see the right language in the combo boxes.	Hotfix
T RAH-7BECHQ	In print preview, sometimes the header and footer is printed in black, sometimes colored. There is no option to set the color of the header or footer.	Hotfix
LSCT-6EBCJ3	It is not possible to delete a data series from the legend of a static chart.	Hotfix
AFER-7C2J86	Sometimes an export to MS Excel does not work if the visible area of the report contains ROC formulas.	Hotfix
AFER-7F5GBT	W hen connecting to OLEDB data sources using Jet 4.0 provider the Edit Alias dialog's fields do not show the required input fields.	Hotfix
MJAL-7GB-HJL	T he Sentinel LM licensing software creates various files in the \ w in-dows\system32 folder.	Security
LSCT-7FRC2L	W hen you set a global variable whereby the value is an Infor PM OLAP subset name, the entire dimension is returned when the variable value is not a valid subset name.	Hotfix
CDOL-7GTL8G	When writing back a 0 to a cell with specific number format, the writeback fails in web until you type the 0 with the correct number format.	Hotfix
LSCT-7GZA7S	Attribute filters fail if, for one element of the list, access is denied. The problem does not occur with text filters on element names.	Hotfix
IREO-7HEKH2	"NET Runtime Optimization Services" errors appear in the event log when running Application Studio on a Citrix environment.	Hotfix
IREO-7HEK5X	The report property "manual calculation" leads to incorrect values when printing out with more than one value for an object such as a combo box	Hotfix
KUJI-7HFCXG	Reports are not printed in the right order. When sorting reports before printing, only report position within an index is taken into account. Therefore reports from different indexes are mixed in the resulting report order.	Hotfix

KNET-7H4EDU	T he permission management shows LDAP users under the W indows Users folder.	Security
SSCR-6ZGLZ7	T he default settings of the printer are not pre-configured in the Print dialog.	Hotfix

Issue ID	Description	Category
KUJI-7HQCHT	If an error occurs, the Batch Printing settings are not saved properly.	Hotfix
KUJI-7HJC9R	In a customer environment the performance while accessing a BPA database is not acceptable.	Hotfix
KUJI-7HGCD4	It is not possible to enter values in cells with defined actions. T he behavior was changed. If no Cell Edited Action is defined on a cell, the write back will be executed. The condition of the Action will not be checked.	Hotfix
KUJI-7HQMXC	Defining an Export Report Action in a cell with export type MIME HTML produces an error in WebServices.	Hotfix
KUJI-7HGFRD	Parameters are needed in order to start Application Studio via the Command Line.	Hotfix
KUJI-7HQMVC	Export Report Action does not work if it is defined on a Style Sheet.	Hotfix
VLAA-7HUEGD	If the automatic column width calculation is used within a hyperblock the Splasher causes crashes.	Hotfix
IREO-7HXKKN	Editing the CELLGET formula on a BPA databases leads to a crash. W ith this fix some performance issues on BPA databases have also been solved.	Hotfix
FAHD-7HEKQR	Direct Link: Global and Report Variable Order are not passed in the correct order.	Hotfix
IREO-7GUK93	An unhandled exception occurs when using 'Print Out a folder' on certain systems.	Hotfix

Issue ID	Description	Category
PBLE-7EPHQH	When creating expandable reports on MS Analysis Services 2005 the reports are too slow. The automatically generated MDX queries that are send to the server call too many elements.	Hotfix
KUJI-7HJCAZ	Certain customer models take too long to load. Because of this only a few users can connect to the model over the web.	Hotfix
LSCT-7FPH68	Time out issues occur on sources that return data after longer than 30 seconds. This happened because the time out property of the Alias does not work.	Hotfix

Issue ID	Description	Category
NEIR-7B4GD2	T he documentation for some commands to fill the header and footer of reports dynamically is missing in the online help.	Hotfix
PBLE-7EWBEM	T he portfolio and milestone charts are not described in enough detail.	Hotfix

Issue ID	Description	Category
PBLE-7BJFNG LSCT-7FWA2K	The model conversion from onVision 4.1 to Application Studio 10.1 fails for certain models.	Hotfix
CDOL-7GCJQM	Application Studio crashes while trying to open a specific report that was not converted fully.	Hotfix
PBLE-7G698Z	Certain scripts don't work anymore when updating from onVision 5.2 SR3 and SR3.	Hotfix
T KUZ-7HWHY4	The data filter on a Native Infor PM OLAP connection in a client list does not work after upgrade to 10.1.0.	Hotfix

Designer

Issue ID	Description	Category / s upport ID
AFER-7GNL5G	Issues during validation of a new Consolidation database schema created with the new database script were fixed	318397 (Consolidation)
GLII-7ET39Z	Data Connection had a limit on characters used.	412964

Office Plus

Issue ID	Description	Category
LKOK-7DYBVE	In certain environments it is not possible to save changes to a specific report.	Hotfix
SMAS-7ESHJT	In certain environments it is not possible to create CELL.GET formula reports from ad-hoc reports on a certain cube.	Hotfix
T RAH-7F9LV2	The automatic connection to the last used repository only works for Basic authentication, but not when using Windows authentication. With Windows authentication you always get the Log On dialog.	Security

Issue ID	Description	Category

T RAH-7FSD53	When you select a certain element on a dimension and use the function "Keep Element" on the Measure dimension on the axis, an incorrect MDX statement is generated, making the report unusable.	Hotfix
PNUS-7HUKPW TRAH-7AUNCA	When you set the calculation method (manual or automatic) for a formula report in the Workbook_Open or Application.Run event, the setting of the formula report is used. The setting from the VB script is ignored.	Hotfix
MORD-7FGDQA	In the properties of the Repository it is possible to set the "Automatic Log on" setting, although it is not used by Office Plus. The setting is used solely by Application Studio, which shares certain components with Office Plus.	Hotfix
T RAH-7BAHU6	Bar Charts list elements in the reverse order, on the axis and in the legend.	Hotfix
LKOK-7GFDCQ	T he default location to store ALD files is not remembered. When you open a dimension you always have to browse to the data directory, first.	Hotfix
JARL-7CGLAT	In some Alea ad-hoc reports, there are duplicate dimensions .	Hotfix
T RAH-727PKH	When you open a saved Ad-hoc report and close the report without making any changes, a dialog opens asking you to save the changes.	Hotfix
IREO-7HMG3S	Processing data from an external file does not work with utf-16 encoded files.	Hotfix
LSCT-75NB9G	When editing a template with the Template Wizard, the changed template is not saved to the repository automatically.	Hotfix

Issue ID	Description	Category
T RAH-7CHKUG	When you select a certain element in the slice of an Office Plus ad-hoc report you get an error message that the generated MDX can not be calculated. The same report worked without problems in MIS Plain 1.2.	Hotfix
LKOK-7ELBTB	When closing an Alea Ad-hoc report that was created with MIS Alea Excel Integration 4.1, an error occurs.	Hotfix
IREO-7HFGHJ	**It is not possible to use Alias names with an "-" in Office Plus 10.1.** It was possible to create aliases with "-" in previous versions. Additionally Alea Ad-hoc reports that were created with MIS Alea Excel Integration 5 and older use the information "Server/database" instead of an alias. The "Server/database" name contains "-" most of the time. Because of this it was not possible to open those Alea ad-hoc reports in Office Plus 10.1.	Security
IREO-7JCLAT	When importing MIS Plain 1.2 views to Office Plus 10.1 the sorting that was created with Plain 1.2 is not enabled in Office Plus List Designer.	Hotfix

HFRH-7GKH3J	When disabled Plain 1.2 filter definitions are updated to Office Plus, the filters are enabled.	Hotfix
HFRH-7GKJ42	Plain 1.2 filter definitions that contained an "Except" operator are not update properly to Office Plus 10.1.	Hotfix
HFRH-7GBJE7	It is not possible to update an MIS Plain 1.2 view to Office Plus 10.1 if the relevant alias definition points to a different server than the server named in the Plain 1.2 view.	Hotfix
HFRH-7GBJE7	It is not possible to update an MIS Plain 1.2 view to Office Plus 10.1 if several aliases match the "Server/database" information in the Plain view.	Hotfix

OLAP

Issue ID	Description	Category / support ID
JARL-7BZMQ9	VDBSET formula - wrong error message with %0 instead of element name and element name instead of dimension name.	402215
JARL-7DKFK5	WebServices displays 0 values in some rows. The issue was caused by xml processing of DataPutValue and GataGetValue when default xml structure was used for communication with server.	409172
JJUK-7J6JX7	Long lasting calculation triggered, for example, by round function	421178
KNET-7HBAQS	It was possible to import values with Office Plus although the user had no Write permission.	419687
LMOA-7ELBMB	When making an ODBO connection to a cube which had both a defined measure dimension and a dimension with the ODBO 'measure' property, both dimensions were displayed to clients. T he ODBO provider now checks if the cube has a defined measure dimension. If it does, then any dimension with the 'measure' property is ignored. If the cube has no defined measure dimension, the ODBO provider checks for dimensions with the 'measure' property and uses the first it finds.	408804
SMAS-75NGRE	If AT.GET refers to a cell which contains more than 70 characters the client got #NAME instead of the attribute.	i244836

Repository

Issue ID	Description	Category / support ID

AFER-7GNL5G	Copying a Repository with the setting "Preserve user-specific settings" overwrites user defined settings.	418238

10.1

BPA Look and Feel

As part of the migration toward a common appearance for Infor products, BPA 10.1 delivers a new look and feel with this release that reflects the Infor standards. As a result, new styles and options are included in the installed styles files.

The MPCStylesSource.txt file includes these new options:

- ODEGRID_PROPERTIES_FONTNAME=Arial
- ODEGRID_PROPERTIES_FONTSIZE=8

The MPCStylesSource.css file includes these new styles:

- .DetBudControlContainer
- .DetBudControlText
- .DetBudControlTextRight
- .DetBudControlCell
- .DetBudControlCellDisable
- .DetBudControlInput
- .JrnlEntrySelOptReadOnly
- .ICDESelOptReadOnly
- .ProcessTitleRow
- .CSMAutoOwnershipDetected

In the MPCStyles.css file, the style .ProcessLabel has been removed.

Business Edition

The Business Edition for Budgeting and Planning sample application is available with BPA 10.1. This application serves as a convenient starting point for basic Budgeting and Planning capabilities, including data loading, data entry, consolidation, and reporting. It provides a default corporate structure with predefined charts of accounts. Using the sample database as a starting point helps to expedite implementations to production-ready status.

BPA Administration

New Unit Type for Ownership Journals

To simplify implementation and reduce maintenance, a new unit type called "Full or Proportional Consolidation Method" (using the code LFP) is available for creating a single Ownership journal for legal units that use either the Full or Proportional consolidation methods. Previously, administrators had to create a separate journal definition for each consolidation method.

BPA Web Manager

(Also known as View Manager Web)

Linked Titles Support in Dashboard Manager

The Dashboard Manager now provides the ability to customize titles for each control in the dashboard. It also supports linking a dashboard control's title to another web page.

To configure the title capability, the Dashboard Manager includes a new title toolbar for each dashboard control. Initially, the toolbar displays the default title for charts and gauges and is blank for grids and overviews. An Edit Title button on the toolbar opens a new window that allows you to enter a custom title and/or a URL to link the title to a web page. A linked title allows users to click on the title from the dashboard, automatically opening the linked web page in a new window. The linked web page, such as a reporting view, can provide additional details to the viewer.

Edited titles must be manually refreshed in the Dashboard Manager. Clicking Refresh Title on the toolbar for the first time refreshes the entire page. Subsequent refreshes will refresh only the edited title. After a refresh, the URL for the linked web page displays in the status area of the browser when you point at a linked title.

For more information, see also "Linked Titles in Dashboards," under "Decision."

View Manager

For details on the following enhancements, see the BPA Workstation Administration Guide.

New Gauge Style Property

Gauge styles now support a percent scale in addition to a linear scale. When the percent scale is used, the data value is multiplied by 100 to provide the percentage representation.

Ability to Set Default Values for YTD Option

Administrators can control the default value of the YTD consolidation option on the web by the off-grid member selection for the Accumulation Method dimension in the view. Users can override the default value by checking or unchecking the option on the user interface.

Accumulation Method Off-Grid Member	Default YTD Selection on User Interface	Applies to Views for...
Year-to-date	YTD option is selected	Local Consolidation Consolidation Incremental Consolidation
Periodic, Quarter-to-Date, Month-to-Date	YTD option is left unchecked	

The Local Consolidation window that opens from the drop-down menu of a data entry page also respects the default value for the YTD option.

New Parameters for Dynamic TPL_DisplayView Template

You can now build all your data entry and reporting views with the dynamic TPL_DisplayView template.

This view template has been revised to allow BPA web administrators to select the exact options and drop-down menu items to present to the web user. Rather than using different custom templates, you can dynamically define your configuration for any view.

To support this change, the Options parameter has been added. The Options parameter controls which buttons and menu commands display in the view. (This parameter can replace the existing Toolbar parameter.) Although the toolbar always displays icons first and the menu last in a view, you can control the order in which the icons display on the toolbar and the order the commands display in the menu: they display in the same order as they appear in the parameter value.

The capability to control the web's automatic refresh behavior is available with the AutoRefresh parameter. BPA's default behavior is to automatically refresh the view after every dimension change. For large complicated views, power users might prefer to make several changes before refreshing the view. AutoRefresh displays an icon that allows you to turn the web's auto refresh capability off or back on. A new toolbar option U can be used to set the placement of the AutoRefresh icon on the toolbar.

In addition, the Report Definition menu command (option Z) is available to display the view name and provide information about the view definition. This report opens in a new window and is divided into two sections: the first section displays the view name and off-grid/alternate off-grid members. The second section displays the web page and the end-line configuration parameters used in the view path in Topic Properties.

See the BPA Workstation Administration Guide for details.

Reordered Application Names

Application names display in alphabetical order in View Manager's Configure Application dialog box.

Budgeting/Financial Consolidation

Auto Refresh Toolbar Option

Auto Refresh is a new toolbar icon that may display in a reporting view. For details, see the View Manager enhancements.

Report Definition Menu Command

Report Definition is a new menu command that is available for data entry or reporting views. For details, see the View Manager enhancements.

EIF Integration Security Modes

EIF Integration now has four security configurations:

Basic (also known as ExecuteOnly) lets you execute loads and run the Summary vs. Detail report.

ModifyTransformations lets you modify transformations, execute loads, and run the Summary vs. Detail Report.

ModifySourceAndTransformations lets you modify Source, Column Mappings, and Transformations; execute loads; and run the Summary vs. Detail Report.

Admin gives you full rights to all EIF functionality.

For more information, see the Enterprise Information Framework Integration Guide.

EIF Integration Error Report Enhancement

The Error Report tab in EIF Integration allows you to select All Rows from the drop-down menu, even if the load did not result in any errors. Previously, the drop-down menu was disabled if no errors occurred.

EIF Integration Find Feature

The Member Selection dialog box includes a Find option that lets you find and select one or more members based on a common character, string, or words.

Financial Consolidation Only

A currency consolidation correctly calculates an opening balance component for the currency translation adjustment (CTA) attributable to the Ownership adjustments that post to ownership units. This CTA is aggregated to the ownership unit along with the CTA attributable to the current period's activity.

Calculating the opening balance component allows multiple-currency organizations to carry the CTA forward in time indefinitely beyond the effective life of the journal.

Examples of the CTA calculation for the periodic and year-to-date views are provided in the Consolidation Guide.

Note:

- A new database fact table, FinPerXItSource_Base, stores the year-end Ownership adjustment balances to be used in this calculation.
- Opening balance components attributable to Detail Ownership journal adjustments are not calculated.

Posting Behavior Change for Ownership Journals

Local, untranslated Ownership journal adjustments will no longer be posted to ownership units. Consequently:

- The Reconciliation report no longer displays data for ownership units for local currency.
- The Audit by Journal Name report does not allow users to select Local or Untranslated as member selections for Ownership journals.
- The FinLocAudSource_Base database table is no longer required for consolidation purposes.
- A script called OJLocalCleanup.sql is installed in the AdminPLUS root directory, which can be run to delete any records from the FinLocAud_Base, FinLocAdj_Base, and FinLocNet_Base database tables that were the result of earlier Ownership journals posting to local currency. Administrators should replace <schema> in the script with the name of their database or schema.

Journal Entry Enhancements

The Journal Entry form now validates the selected effective life periods against the journal's periodicity to ensure that only months are selected for a monthly periodicity and only quarters are selected for a quarterly periodicity. The form also prevents users from selecting ownership units (in addition to consolidation units, which have always been disallowed).

Copy Ownership Data Enhancement

Copy Ownership Data allows you to copy data from a single source period to multiple destination periods. Previously, the source and destination period ranges had to have the same number of periods.

Decision

For details on the following enhancements, see your Decision documentation.

Linked Titles in Dashboards

Dashboards support linked titles that open a new window, such as a reporting view, to provide additional details to the viewer. To determine if a dashboard object title is linked, point your cursor at the title. If the cursor changes and a line displays under the title, the title is linked. If the title is linked, the URL for the web page associated with the title displays in the status area. To open a new window to view the web page, click on the title.

Format Enhancements

The data entry/reporting view shortcut menu command Format | Member lets you format multiple members (rows and/or columns) at the same time. Previously, if you selected multiple members, only the last member reflected the formatting changes.

The following new parameter values are available in the Format Member – Multiple Selections dialog box:

New Value	Description
(Default) AutoFit to Contents	This is a new value (the default) for Column Width only. The column width adjusts to fit the longer of the column heading or the largest number
(Various)	This value displays when at least one of the selected members has a different value than the other selected members.
AutoFit to Number	This is a new value for Column Width only. The column adjusts automatically to fit the largest number (the minimum column width is 7.27 characters)

The Format sub-menu no longer includes Column Width and Row Height as separate options, because the improved capability to change column width and row height for multiple members is included in the Format Member dialog box.

Finally, the background and foreground color lists track the last five custom colors you select and display them at the bottom of the list. A separate custom list is maintained for each user (over multiple sessions).

Recall View Enhancement

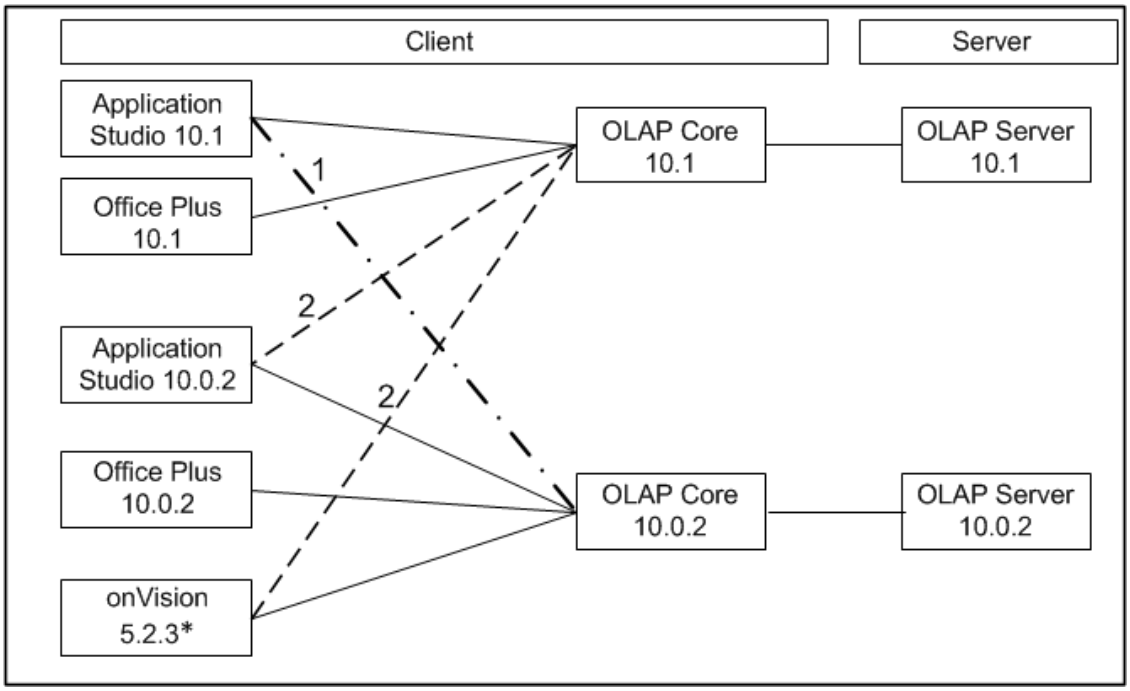
The Recall View command (right-click menu) on a data entry/reporting view allows you to unshare one or more of your private views by clicking on the icon for each view in the My Views list. Previously, a view could only be unshared using Save Private View.

You can only share/unshare your own private views, not views created by another user.

BSA Global

Cross Version Platform Support

Infor PM supports the following cross version connections.



- OLAP Core includes CP and ODBO

Connection 1 and 2

- Needs installation changes on the client side. Related OLAP core components need to be installed.
- Only one of the two connections can be installed on one computer
- Office Plus 10.1 cannot connect to older OLAP server (4.x, 5.x, 10.x)

Licensing

New License files are available. Technically the customer will get two license files:

- One with floating license for the whole BSA platform (> installed on the license server)
- One with standalone license for the whole BSA platform (> installed on single machines)

This license is no longer locked through hostnames. So you can install this license set on any machine.

Backward compatibility for existing customer base

It is still for old customer of MIS DecisionWare to create the hostname locked licenses.

One file will be delivered to those customers; independent of the acquired licenses, including:

- ALNS_Full, oV_Desi, ALLS_Full, ALCL_Full, DW_Full for 500 Clients

In case the customer needs a license for more than 500 clients, this must be requested separately.

Licenses do not have an expiration date any more. An exception is licenses for testing purposes Test license for Infor employees expire after 9 months.

License files will be generated with the name of the company or the name of the employee instead of a vendor ID.

Unicode Support

With Infor PM it is possible to use object names with different language characters. For example: the name of an element can be created with characters from different languages at the same time.

UNICODE elements can be created (and retrieved from a source system) with EIF Designer or ImportMaster 10.1.

The client tools Application Studio and Office Plus 10.1.0 support reporting on UNICODE models.

Technical Health

Infor PM 10.1 now supports:

- Oracle 11 for Repository and EIF Designer databases
- Windows 2008 for all applications
- .NET Framework 3.5 for all BSA applications
- Infor PM ImportMaster 10.1 supports Unicode
- Delta Miner 5.3 supports Unicode

Infor SOA Integration Preview

With release 10.1.0 the Infor SOA integration is available as a preview: The Infor PM platform is integrated into Infor Open SOA by several means:

- We support Infor Business Information Services as relational provider for reports in Office Plus and
- Application Studio.
- We support Infor BIS as data source in EIF Designer to create Infor PM OLAP models.
- We support Infor Security as authentication system for BSA products.
- We support BIS as data source for BPA models.

Infor PM BSA Template

With version 10.1 a new demo model is available. The model was designed and created in co-operation with pre-sales. The model includes the complete project workflow.

- Extracting and transforming data from a customer sample database.
- Predefined dimensions and cubes for sales, cost and finance analysis.
- Predefined set of catalog with dashboard, analysis and data entry reports.

- Each report is available as template and can be easily reused on modified cubes or for new added cubes. The model is packaged into a single setup.

The model is packaged in a single setup. This new setup is the first version for the upcoming Role Based Analysis. The setup will install one SQL Server 2000-based database. The database includes both the PM EIF Designer and the PM Repository database schemas. Designer model and report catalog are immediately available.

With the focus on the Finance cube, this model is the best solution for SunSystems Budgeting & Forecasting.

The setup will install an Access database with sample customer data. The database is based on the old pre-sales demo database "Genesis". The default location for this database is: C:\Documents and Settings\All Users\Documents\Infor\PM\BSA Template Sample.

Office Plus

Improved Navigation in Ad-hoc Report

The navigation behavior of Office Plus adhoc reports no longer separates between list definition and navigation (expand/collapse). That behavior, which existed since Plain 5.2, was proved not to work in an adhoc browser. Now the behavior is similar to the Plain 1.2 behavior, again.

Easier Sorting Behavior

The sorting with pop-up menu of adhoc reports was too complicated in previous versions. Every time a user sorted by pop-up menu, a new sorting was added Sort definitions of the list.

Now every sorting by pop-up menu replaces previously created sortings.

Improvements in List Designer

Element Tree

The level based element tree of Plain 5.2 has been replaced by a normal element tree. The selection of levels and subsets is on the toolbar again.

Multiple Selections

It is possible to select several elements in the element tree of the List Designer and apply functions like "Children" to them.

Improved Filters

Contains, Does not contain

The operators **Contains** and **Does not contain** have been added to the String filters. These functions were part of Plain 1.2 and had been replaced in Plain 5 with Wildcard filters.

The wildcard filters are still supported as before.

Operator Names

The operator signs have been replaced with speaking terms.

E.g. '<' is not called 'Less than'.

Navigation Functions in Pick Element Dialog

The Pick Element dialog on the slice dimensions has been extended by several navigation functions. The functions make it easier to pick an element, e.g. from a certain level.

Available functions are:

- Show All
- Show only Root level
- Show default element
- Show level
- Keep Elements
- Drill-down
- Roll-up

'Save As' Option

Besides the LOCAL and GLOBAL reports, It is possible now, to save Formula reports to any location on your file system.

The Save As dialog has been extended by a button that offers access to the file system.

Default Ad-hoc Report per Cube

It is possible to set a default ad-hoc report per cube, now. The setting can be set by a user with "Administer" permission on the project. The setting is stored in the repository and applies to all users of the project.

You can define a default ad-hoc report by right-clicking a cube and selecting "Set Current Ad-Hoc as Default".

New Options to Change Ad-hoc Report Creation

New options have been added that affect the standard ad-hoc reports:

- Null Suppression: It is possible to set Null Suppression for all new ad-hoc reports

- Zero Suppression: It is possible to set Zero Suppression for all new ad-hoc reports
- Slices: Use all hierarchies: You can set whether you want to use all dimensions or all hierarchies in newly created ad-hoc reports. Or you can choose to add slice dimensions only manually to an ad-hoc report.

It is possible to change the standard behavior of the dimensions while creating a new ad-hoc report.

- Default element: When using this setting for all dimensions the default element will be visible. Note: This means that, if there are several root elements in a dimension, only the default of them will be visible.
- Root level: When using this setting all elements on the root level of the dimension (top level) will be visible initially. Note: This can affect the performance if there are many calculated elements on one of the axes.

Maintain OLAP Permissions with Ad-hoc Reports

It is possible now to maintain permissions on OLAP # Cubes (TABACC, MDAC..) from ad-hoc reports. Previously this was only possible using Alea Ad-hoc reports.

Automatic Connection

When opening a formula report without connecting to the repository, the last used repository will automatically be connected. The aliases (server registrations) that are needed to calculate the report will be connected automatically, too.

Application Studio

Writeback Improvements

It is possible now to writeback several cells at a time to writeback cells. In previous time one could only enter values one by one.

New Export Functions

Application Studio now supports different types of Export Format. Each export format has properties for different use cases.

Excel Printout Export

The Excel Value Export format exports the report view of a report to MS Excel without any formulas. The results of all formulas are exported as pure values. Hidden cells and conditional formats are not exported, either. This export format is meant as a pure "What you see is what you export" format. This format does not include images in the export.

An XML file is generated by this export format. It is possible to export to Excel Value Export format using action the Export Report action.

Excel Export

The Excel Export format exports all formulas that use a data source (ROC, CELLGET, RWN, ...) as pure values. Other formulas that can be fulfilled by MS Excel, too, are exported as MS Excel formulas. Conditional formats, hidden cells, and side calculations are included as far as Excel supports those.

This export format does not include combo boxes, images or charts.

An XML file is generated by this export format. It is possible to export to Excel Export format using action the Export Report action.

MIME HTML (HTML Web Archive)

The MIME HTML format exports a report to a web archive file that includes the HTML definition of the report + the embedded images (Normal HTML export would result in one HTML file plus lots of image files). The result of the export is an MHT file.

An MHT file can be opened in any Web Browser.

It is possible to export to MIME HTML format using action the Export Report action.

Report Package

It is possible to export a complete report definition, now, including Template Parameters, used global lists, calculations, variables and custom hierarchies. This format can be used to exchange single templates or reports.

Improvements in Folder Printing

List View Settings

In previous versions it was not possible to set a dedicated order for the List views (combo boxes) in Folder Printing. This helps to indicate in which order elements shall be selected.

One can set now for each combo box whether it shall be available in the Range Settings dialog of the Folder Print Wizard.

Action to Run a Folder Print

See the "Print Folder Action" section.;

Actions

New Actions types have been introduced that can be used to trigger standard Application Functions.

Print Folder Action

The new 'Print Folder' action can start the "Print Folder" wizard.

Export Report Action

It is possible to export report using actions. The supported export formats are

- Excel Value Export
- Excel Export
- MIME HTML (Webarchive)

Chart Actions

With Application Studio it is possible to use a click on a chart to execute actions. E.g. the click on a column of a chart can be used to jump to a report that shows details for the clicked column.

Chart actions can be used on:

- Column charts
- Bar charts
- Portfolio charts
- 2D Pie charts
- Dought
- Area charts
- Pyramid charts
- Multi color bars

Note: The action is defined on the data source of the chart, not on the chart itself. No scripting is necessary to create an action on a chart. In web the chart is still represented by images. That means, the client is still pure HTML and it is not necessary to install any controls or anything alike.

Input Parameters for Jumps

In 10.0.1 the order of report execution is that report loaded action is executed before setting jump parameters. But in some cases we need to have some values set even before the report loaded action is executed so we are able to use the new values inside its execution. That's why we introduced inputs for jumps.

The input parameters of jumps use the source report's report objects and global objects, while the parameters are using the target report's report objects as well as global objects.

The execution order is:

1. The Input is processed before the Jump
2. The Jump is executed.
3. The target report loaded
4. On Report Loaded Action executed
5. The Jump parameters processed

Improvements in List Designer

Element Tree

The level based element tree of Plain 5.2 has been replaced by a normal element tree. The selection of levels and subsets is on the toolbar again.

Multiple Selections

It is possible to select several elements in the element tree of the List Designer and apply functions like "Children" to them.

Improved Filters

Contains, Does not contain

The operators Contains and Does not contain have been added to the String filters. These functions were part of Plain 1.2 and had been replaced in Plain 5 with Wildcard filters.

In previous versions one would have to simulate **Contains** and **Does not contain** filters using Wildcard filters.

E.g. The Filter operator **Contains 'abc'** previously was done using a wildcard filter **Equals *abc***.

The wildcard filters are still supported.

Speaking Operators

The operator signs have been replaced with speaking terms.

E.g. **<** now is called **Less than**.

Other Small Improvements

Improvements for Database Independent Reports

New functions have been implemented to enable more dynamic reporting. When creating ad-hoc reports with Application Studio, it was not possible to read the data area of the report from an array in a variable. (Please See: Dynamic Reports with Application Studio.doc)

New functions have been introduced that extract a list of properties or values from an xml-array as it is generated from the SETPROERTY function:

- GETKEYVALUES
- GETKEYPROPERTIES
- GETRPROPERTIES
- GETKEYS

Report Wizard Improvements

In the Report Parameters dialog one can now set these additional settings:

Default: One can set to use the default value of a variable as default value for a parameter.

Fixed: It is possible to hand over fixed values in the Report Wizard too.

Lookup: One can select a list from which a user shall be able to pick an element. The picked element is then filled as a value into the parameter. One can use lookups for each parameter type.

Copy and Paste Objects

It is now possible to copy and paste these objects in Database Structure and Accessories pane:

- Global lists
- Variables

- Custom Hierarchies

New Short-cuts

New short-cuts have been implemented to make working with the spreadsheet more convenient.

Short-cut	Description
CTRL + D	Copy content down, similar short-cut as in MS Excel
CTRL + R	Copy content to the right, similar short-cut as in MS Excel
CTRL + ALT + V	Paste Format
CTRL + UP/Down	Switch between Report View, Quick View and Definition View
CTRL + U	Underline cell content

Long Cell Notes

Application Studio now can display cell notes to a length of 32,766 characters.

Show Calculation Error Setting

Since Application Studio 10.0, if a list cannot be calculated in a report, the report will still be rendered and drawn, as far as it is possible. This has been implemented to make it possible to build reports that, e.g. open empty and get filled by user interaction. The error messages will still be shown in Quick View. To make it possible to debug reports in case users cannot open Quick View (Users without Edit permission on report) they can switch on and off the error messages in Report View.

Hide and Show Cells

It is possible now to hide and show cells, using the pop-up menu on the table headers. In previous version one would have to open the Properties of Column/Row dialog to hide cells.

Functions for Database Independent Reports

New Functions

New functions have been added, to allow the creation of more powerful ad-hoc reports. The following functions can read several items from an xml-table (e.g. as generated by SETPROPERTY function):

Function	Result
`GETKEYS`	gets: Key 1, Key 2
`GETPROPERTIES`	gets: Property 1, Property 2, Property 3
`GETKEYVALUES` (for Key 1)	gets: A, B, C
`GETPROPERTYVALUES` (for Property 2)	gets: B, 2

Read from this table:

	Property 1	Property 2	Property 3
Key 1	A	B	C
Key 2	1	2	3

Improvements for SETPROPERTY% Function

The SETPROPERTY function now supports:

- To set a single value: `SetProperty(variable/text; key; property; value)`
- To delete a single property: `SetProperty(variable/text, key; property; "")`
- To set multiple values: `SetProperty(variable/text; key; property; value <; property; value>)`
- To delete multiple properties: `SetProperty(variable/text; key <;property; "">)`
- To delete a row of properties: `SetProperty(variable/text; key)`

Portfolio Chart Labels

The Portfolio charts now support dynamic labels for:

- Bubble Size
- Label(Bubble name)
- Value

New Report Object Properties

One can call 2 new properties from report objects, like hyperblocks, combo boxes...

`=ReportObject.objectname.Set`

This property returns the MDX query that drives the list in the report object.

`=ReportObject.objectname.StructureSet`

This property returns the MDX query that comes from the structure selection of the list definition.

Application Studio WebServices

New User Interface

The interface of the web front-end has been redesigned. By doing so we achieved a common look and feel for both all Infor PM front-ends.

The new interface also is consistent with the new Infor User Experience look and feel.

The changes include:

- New toolbar design: The icons used on the toolbar and the new layout follow the User Experience standard.

- Improved behavior of the report tree pane: It is now possible, not only to resize the report tree pane, but one can hide and show the pane, using the arrow icon on the splitter.

New Writeback Features

Indicator for Changed Values

Changed values that were not saved in the database yet, are indicated by a small red triangle in the changed cell. When saving changed values to the database, the indicator will disappear.

Improved Automatic Saving Behavior

When trying to leave a report without saving changed data, Application Studio will offer to save the changed values automatically.

Paste Several Values

It is now possible to insert a range of cells at a time to writeback values. In previous versions one would have to insert single values one by one.

Technical Improvements

The report tree now is loaded incrementally, to improve the log on performance. Application Studio WebServices now uses Ajax communication in all actions, combo boxes and list boxes. This decreases the waiting time after each user action.

OLAP

Unicode Support

All languages can be used in a single data model.

OLAP Limits Improvement

With version 10.1 the many OLAP limits were raised.

Dimension	Limit
Name	50 characters
Description	150 characters
Level name	50 characters
Element name	71 characters
Subset name	100 characters
Dimension rule	253 characters

Cube	Limit
Name	50 characters
Description	150 characters
Data Area name	100 characters
String value	4000 characters can be saved to a cell

Attribute	Limit
Field name	50 characters
Field description	50 characters
Field length	254 characters

Other	Limit
User name	50 characters
Path (for files)	260 characters
Cell notes	30000 characters

New Technology for Dimension Attributes

With Version 10.1 the old attribute storage file, based on Dbase format, is no longer available. The attribute tables and fields have been integrated into the dimension file. The attribute tables and fields are now loaded into memory. Therefore the performance of attributes is increased. All attribute changes will be logged into a separate transaction.

XML Provider Installation

The PM BSA setup includes now the installation of the XMLA provider. The setup will add the XMLA provider as web service "InforPMOlapXMLA" to the local IIS server.

Changed Behavior

VBA Function DataGetValue for String Cells

The function DataGetValue returned in Version 5.2.3 an empty string with the length 0 for a string cell value with no value saved.

The value returned now is `""` `(Empty string)`

OLAP Server License Check

The OLAP Server does not check the license every minute anymore. Now the license will be checked once only during the start process of an OLAP Server.

Accelerators with Missing or Extra Apostrophes

Elements with missing or extra apostrophes are not tolerated anymore. For example `['']903220']` or `[903230']`

New Error Codes for DataworldsGetArray

In 10.1 the error codes for the function DataworldsGetArray have been improved; the error handling is handled within the IPO layer, now.

Code - `1050` - String has been truncated by UNI emulation layer.

Code - `1051` - String is too long in IPO call

Code - `1052` - Error while writing to a file during export

Sample : `vRet = DataworldsGetArray(sDBName, "TOTSALES_TOOTOOLONG_123456789_123456789_123456789_123456789", asDW())`

Returned error code will be `1051`

Repository Administration

Enhancement of Media Content

In Infor PM Administration it is possible to import and export media content of a project from within the Media Content dialog.

Designer

Improved Database Validation

The new database validation allows the user to have better control on the Designer database during modeling and minor or major updates

Two stages of validation are available:

- Validation of content checks whether the main configurations have been set up correctly
- Validation of database schema checks whether that database schema is valid after an update for example

User Interface Improvements

- Connector Connection dialog
- The connection dialog has been redesigned. The reference database can be changed on the General tab. Each connection type has its own register (DataLink, BIS Export Service, ODBC). Each connection type can be enabled or disabled separately.
- New dialogs and user messages for dimensions, elements and cubes have been added.
- It is possible now to configure the dimension and cube types directly within the Create… user interface.
- Cube Configuration: The Designer supports the configuration of accelerators for each cube directly within the Cube properties dialog. If the user creates accelerators he can activate acceleration of the cubes immediately

Data Connections

The Designer Data Connections simplifies the definition of data transformation within one cube or between two cubes.

Definition of business rules with the possibility of advanced business logical is possible

- Simple data connections can be saved as OLAP rules in which accelerators are created automatically.
- Save a simple data connection between different cubes either as "Push Rule" or as "OLAP rule"
- Save as Push Rule if data should only be pushed to the target when data in source is changing
- Save as Push Rule if data entry in target should be allowed
- Save as OLAP Rule if data should pulled every time
- Saving the Data Connection as OLAP rule will create the rule and related accelerators automatically

Create Ad-hoc Project

With version 10.1 users can create "ad-hoc" a complete Designer Project with mappings, dimensions, elements and cubes from any source.

After the source connection has been configured, the function creates all objects that depend on the source configuration area definitions.

Users can create a complete data warehouse with one click of a button.

The function will create mappings, dimension, elements and cubes. Cubes will be built up based on the relations between structure and fact tables.

Fixed Issues

Overview

Fixed issues were not published separately for this version.

10.0

New Functionality

Application Studio 10.0.2

1. Application Studio user interface now is available in Japanese and simplified Chinese. Note that the WebServices Configuration Guide is only available in English and German.
2. This Service Release contains a collection of bug fixes. For details please contact your Infor partner or Infor Support.

Consolidation 10.0.2

1. **Oracle Support** In Infor PM MIS Consolidation you can use Oracle as the database system for the Consolidation and Designer databases.
2. **Historical Exchange Rates** For schedule postitons, historical exchange rates may be entered in detail in the view 'Schedule-Detail Rates'.
3. **New Rules-Engine Functions** - There are two new functions for the rules engine enabling you to calculate the historical rates automatically as well as the detail rates within the rule. - There are two new functions for the rules engine enabling you to retrieve the base period and the base years.
4. **Export of Transaction Journals** Transaction journals may be exported as CSV and can be opened in Excel.
5. **Creating Consolidation Rules in Designer** You may now create consoldidation rules in Designer under 'cons other'.
6. **Extended Journal Functionality** Journals may now be posted to several years, periods, scenarios, groups or companies.
7. **New Installation Program** The installation program has been redesigned. EIF Designer now installs seperately from Consolidation, and you do not need to install all databases.

Designer 10.0.2

- **Available Languages** Designer is now also available in Japanese and simplified Chinese.
- **New SQL Script Files**Adding Japanese and Chinese to the availabe languages made a change of the encoding of the script files necessary: the encoding has been set to unicode. SQL Server Script is stored in UTF16 and can be processed using SQLServer QueryAnalyser. Oracle Script is stored in UTF8. To use it in SQLPLus, set the environment variable NLS_LANG to the language you want to choose (<DESIRED LANGUAG>.UTF), e.g.: German.UTF8 For further details refer to the Oracle help.
- **Language Import** New languages, such as Japanese and simplified Chinese, are shipped as language packs, which may be imported for each Designer database. The language packs contain all standard object labels of Designer, e.g. menu entries, etc.

OLAP 10.0.2

1. **Available Languages** OLAP Server is now also available in Japanese and simplified Chinese.
2. This Service Release contains a collection of bug fixes. For details please contact your Infor partner or Infor Support.

Repository 10.0.2

1. **Available Languages** Repository is now also available in Japanese and simplified Chinese.
2. This Service Release contains a collection of bug fixes. For details please contact your Infor partner or Infor Support.

Application Studio 10.0.1

1. The provider for Infor BPA now returns attributes, too. Application Studio supports Infor BPA attributes.
2. With Application Studio 10.0.0 error messages that are caused by invalid lists were always hidden in Report View. With Application Studio 10.0.1 it is possible to set whether such error messages shall be shown in Report View, using the setting 'Show calculation errors' under 'Extras/Settings for user ...'.
3. Application Studio is now also available in French and Spanish.

Application Studio WebServices 10.0.1

1. Application Studio Webservices now supports tabbed browsing. When clicking a report within the report tree it is possible to select 'Open in new tab' or 'Open in new window'. The new report will open within the same web session.
2. Application Studio Webservices is now also available in French and Spanish.

Office Plus 10.0.1

The navigation on ad-hoc reports has been improved. It is now possible to expand a complete list by using the menu item 'Expand All' in the pop-up menu.

A new setting has been added to 'Options' dialog. The setting 'Expand whole list when saving changes to list' automatically expands the whole list whenever changes to the list are saved and executed.

It is possible now to find elements by attribute values. This can be done in 'Pick Element' dialog, in 'Preview' and in List Designer's Structure Selection.

In 'Options' dialog the setting 'Caption Style' has been extended to show attributes, too. When a list contains attributes it is possible to show the first attribute of the list instead of element names. NOTE: It is possible to change the order of attributes in List Designer.

The provider for Infor BPA has been extended to return attributes, too. Office Plus supports BPA attributes.

Office Plus is now also available in French and Spanish.

Consolidation 10.0.1

1. The columns in the journal lists can now be configured separately for each journal list.
2. The Copy Group Journals function allows users to copy journals to different years, periods, and scenarios.
3. A printer can be selected correctly when printing reports or executing the batch print.
4. The appearance of the protocol can now be controlled through a permission.
5. The "notInUse" flag in the cluster dimension to configure reports is now supported. If this field is set to Y, the corresponding report or report folder is not available in the application.
6. The carry forward functions now support multiple period selections, to carry forward one or more periods at a time.
7. The number of decimals that can be entered by a user in manual journals can be restricted in the configuration. Also the number of decimals shown in the journal lists can be configured.
8. The journal lists are greatly improved, making managing journals more convenient, and allowing printing.
9. The import flags for accounts in the Designer are now considered by the import function and only account data flagged for import is deleted and imported.
10. Segments and partner segments are now automatically determined in company and group journal editors, based on the company configuration.
11. The status bar displays the current user and the connected repository.
12. The protocol can be printed.
13. The Import and Delete functions allow users to separate import and deletion of finance, detail, and segment data.
14. A new option in the export function allows users to export only base values for all cubes.
15. It is now possible to trace journals back to their source, e.g. in the journal list one can track back to the original journal or even through the entire chain of original journals.

16 The Segment Automatic function now allows selecting and generating of data for all three segments independently.

17 There are new reports for consolidation notes in the standard repository and a new cube containing the corresponding information.

18 In the Period and Scenario dimension, hierarchies can be created with the standard designer. Existing projects will be updated unless hierarchies are already configured in the project.

19 In the Designer, different accounts for capital consolidation rules can be correctly maintained.

20 Journals can now be stored as templates and loaded again later.

21 The consolidation rule engine has been extended with new functionality

- String variables are now available in the rule engine. This allows creating string values at the beginning of rules and using them as constants, for example.
- New functions for string manipulations (concat, length, and substring) are available.
- New virtual dimensions allow creating loops over existing journals and journal lines and reading all properties of these journals and journal lines. This allows users to create more complex rules, e.g. a complete capital consolidation.
- New functions allow cancellation of journals by unposting them or by creating reversal journals in a specified year and period.
- A new rule property allows users to manage unposting consolidations in consolidation rules, instead of using integrated automatic unpost functionality.
- New rule functions for interaction have been added (message box, confirm dialog, numerical input). This allows adding interactivity to the automatic consolidation process.
- New functions for rounding have been added. These can be used to restrict the number of decimals in automatic journals.
- A new function allows users to abort a rule immediately when an unexpected situation occurs during rule execution.

Designer 10.0.1

- **Binding of Designer and OLAP Database** An OLAP database, created in Designer, can only be changed in Designer. The modeling interface (e.g. Office Plus) can only be used in Read mode.
- **Connector ODBC Interface** The new ODBC interface enables you to use the Designer's ETL process for other data sources. The simple creation of the ELT processes using Connector and integrated OLAP modeling allows a rapid and inexpensive implementation for small and middle-size projects.
- **Execute Designer** Designer may be started at a specific point in time using a script, which may be executed in Windows Task Scheduler.
- **Database Validation** To ensure a valid database schema which meets the needs of the Designer, the database schema validation runs after each database update, or on first use, and notifies the user about any issues in the schema. Defined errors and warnings:

  - an defined object is not available. This means that, if a table, a table field, an index, a relation, a trigger or a query is not available, an error will occur and the user will not be able to log on to the designer with that database.
  - a defined object has wrong properties. This means, - if an index on a table is available, but there is no primary key index, an error will occur - an index on a table does not have the right number of columns - a table field has the wrong data type or the wrong size (e.g. a field of type String does not have the length 200, but 80) - a relation does not have the right properties, e.g. update or delete cascade are not defined as in the current schema. - a relation on a table does not have the right number of columns.
  - warnings are raised, when an index does not have the "clustered" property defined properly. Because this will only affect performance, the user can use that database within the Designer.

- **Connector: New virtual dimension "Measures"** The issue for Connector was that a currency had to be assigned to each measure. Even measures like quantity were handled as currency. A virtual dimension will be generated using the fields categorized as "Measure", "FixedCurrencyMeasure" or "VriableCurrencyMeasure" of the fact tables. This virtual source dimension renders the financial logic in the Business Group wizard more flexible. Now measures can be used to either fill a measure dimension in OLAP, or they can still be mapped to a currency axis in the cube to continue the support of financial systems.
- **New Rules Editor** The issue was that rules editor saved every changed rule in the OLAP database. This was the only modeling change that directly affected the OLAP database. Rules can now be created in the rules table. The application offers the well-known OLAP rules editor. A rule will now be saved in the Designer database. It can only be made available in the OLAP database, when you update the OLAP database in Designer.
- **Available Languages** Designer is now also available in French and Spanish.
- **Language Import** New languages, such as French and Spanish, are shipped as language packs, which may be imported for each Designer database. The language packs contain all standard object labels of Designer, e.g. menu entries, etc.

OLAP 10.0.1

- **Versioned cubes and writing values** Performance has been improved for the functions 'DataPutValue' and 'DataPutValue2' where no other users are browsing the cubes in which you want to write values. An optimization can be done here by the functions BulkTransferBegin and BulkTransferCommit. Sample: vRet = BulkTransferBegin(mdsBulkDataPutValue) Do While (RecordLoopGetNext(False, asColumns())) Value = CDbl(asColumns(7)) vRet = DataPutValue2(sServer, sCube, 1, Value, asColumns(0), asColumns(1), asColumns(2), asColumns(3), asColumns(4), asColumns(5), asColumns(6)) Loop vRet = BulkTransferCommit(mdsBulkDataPutValue, True, ErrorLog)
- **API function SSOAuthenticateUserEx** In the previous version, the Function "SSOAuthenticateUser" used in Common Object Store Registration from the setting in Alea Communication Manager. Where the database used a different COS Registration from the one configured in the Alea.ini the logon was not possible. Now it is possible to set a different COS Registration in the parameters (SSOAuthenticateUserEx(sRepository As String, …). For more details refer to the Alea Software Development Kit.

- **API function "ServerConnect"** Where the API function "ServerConnect" was used with an empty string for user and password, the Server Connect dialog opened, where you could choose the authentication system and enter a username and password. If you had chosen the windows authentication before, it was used again the next time when ServerConnect was executed. Changing the authentication mode was not possible. With a new parameter in MDSEX.ini file this behavior can be configured: [SETTINGS] SuppressAutoConnect=1 If this special ini key is set, the connection dialog will be shown.
- **Support of MIS Decisionware 4.1 Clients** In Version 10.0. SR1 you may connect to an OLAP server using a 4.1 client.
- **Available Languages** OLAP Server is now also available in French and Spanish.

Repository 10.0.1

1. **Available Languages** Repository is now also available in French and Spanish.
2. This Service Release contains a collection of bug fixes. For details please contact your Infor partner or Infor Support.

Infor PM Application Studio 10.0

1. **Infor PM BPA Support**Application Studio supports Infor PM BPA as multidimensional data source.
2. **EIF Services Support**Application Studio now supports EIF Services as relational data source.
3. **OLE DB Support** It is possible now to create relational database aliases for OLE DB providers by using the "Create Database Alias" dialog. It is no longer necessary to enter a connection string by hand.
4. **New User Interface** The user interface of Application Studio has been improved by several means: The OLAP pane and Client List pane have been merged to a general "Database Structure" pane. This pane includes all databases that are supported by Application Studio - multidimensional and relational. It is possible to create server lists, clients lists and relational lists within the Database Structure. The Accessories pane pane has been introduced. The Accessories pane contains all variables - global and report variables - the custom hierarchies and report Objects. The Structure View has been removed, as all functions of the structure view are now available in the Report Structure. The POVs are now available by means of the "Point Of View Settings" dialog.The Client List Designer dialog has been separated into two dialogs: The Client List Designer and the Relational List Designer.
5. **New Actions Concept** With Application Studio 10 it is possible to create actions that are started by different events, on the same cell. So it is possible to create a pop-up menu action, a hyperlink action and a right-click action... on the very same cell.
6. **New Action Modes** In Application Studio 10 several new events can be used to execute actions: Drag Drop Cell Edited, on cells that are not write protected On Report Load, on the report itself Selection Change, for list controls Button Click, for buttons
7. **Select Element Action** A new action has been introduced: The Select Element action. This action can be used in the windows client and in web to open a List Browser. Within the List Browser it is possible to select an element. The selected element is saved to a variable.

8 **Conditinal Writeback** using the Cell Edited Action mode it is possible to create conditional writeback scenarios with Application Studio reports, now.

9 **Report Variables** It is possible to create variables for certain reports, now. This improves the handling of variables in general. The report variables have the same functionality as global variables and can be accessed by the function Reportvariables.<variable name>.text Global variables can be accessed by the spreadsheet function Globalvariables.<variable name>.text, now.

10 **Default Value for Variables** It is possible now to set a default value for variables so that every user who log on finds the variables prefilled. This works for report variables and for global variables. You can enter the default value in the properties of a variable.

11 **Persistency** It is possible now, to determine whether changes to the value of a variable shall be saved as permanently (persistent), or if the values shall be reset to the default value of the variable (non-persistent). For report variables changes values are saved while leaving a report. For global variables the changed values are saved when logging off.

12 **Multiple Hyperblock Output** With Application Studio 10 it is possible for the first time to define several output cells for a hyperblock, without using formulas. So it is possible e.g. to output several columns of a relational list within a hyperblock, without using any formulas. New output cells can be added easily by drag and drop or in the Hyperblock Properties dialog.

13 **New Report Wizard** With Application Studio it is possible to create reports, using a very powerful Report Wizard. The former simple Report Wizard has been replaced by a new Report Wizard that uses the report templates. Templates for the Report Wizard can be created by any Report Designer, normally an experienced power user. The Report Wizard uses the template reports and duplicates them for different data sources.The usage of the new Report Wizard is distributed in three steps:

   1 A power user creates a report that can be used as report template. In such a template report all lists are variable lists. That means that the data connection parameters have to be set by variables. E.g. in an OLAP list the parameters for alias, cube, dimension and hierarchy have to be set by variables. When data filters or sorting are used, those parameters have to be set by variables, too.

   2 In a 2nd step the power user defines a wizard for the report template. For each variable that is used in the report the power user can set which type of data the variable is used for (alias, cube, dimension, text ...). The power user can enter localized help texts for each parameter of the Report Wizard and define which style reports shall be available for the report template.

   3 A report designer uses the Report Wizard to create a new report based on the report template or to modify an existing report.

   Please Note: The former onVision 5.2 report templates have been renamed to "Style Reports" to distinguish them from the new report templates.

14 **MEMBERGET** The MEMBERGET function returns an element of a dimension which can be selected by different parameters. The function returns the unique name and the caption of the element. =MEMBERGET(Alias;Cube;Dimension;Parameter; optional parameter) These parameters can be set to select an element: SELF CHILD NEXT PREV SIBLING

15 **SETPROPERTY**The SETPROPERTY function writes several values as a table to a single variable, by means of xml. This function can be used to save an unknown number of values to one variable. It can be used e.g. to create reports that are database independent. In such reports one cannot know how many dimensions are in the used cube. Then it is possible to save the selection of an unknown number of dimensions to one single variable.
=SETPROPERTY(Variable;Rowname;Property;Value)

16 **GETPROPERTY**The GETPROPERTY function reads a value from a variable. This function can read the value of a row from the table that is create by the SETPROPERTY function. =GETPROPERTY(Variable:Rowname;Property)

17 **Intrinsic Attributes** The server lists now support these intrinsic attributes additionally to the user defined attributes: LEVEL_UNIQUE_NAME LEVEL_NUMBER MEMBER_ORDINAL MEMBER_NAME MEMBER_UNIQUE_NAME MEMBER_TYPE MEMBER_CAPTION CHILDREN_CARDINALTIY PARENT_LEVEL PARENT_UNIQUE_NAME PARENT_COUNT DESCRIPTION These attributes are supported by the ROA function, too

18 **Levels in OLAP Metadata hierarchy** The OLAP Metadata hierarchy has been extended to show levels, too.

19 **List Object Properties in web** The following List Object properties are supported by the web client, now:

20 **Converter Improvements** The Application Studio Repository converter has been imrpoved by several means, so that it is no longer necessary to use the Repository Administration to fulfil a complete conversion. It is possible now to start the update of the database schema from within the Conversion Wizard. Checked-out objects can be checked in from within the Conversion Wizard. The Conversion Wiazrd can be started from withing the Application Studio Log On dialog.

21 **Batch Printing for single reports** With onVision 5.2. when printing a single report, always the batch print dialog for single reports opened. It is possible to set whether it shall be possible to batch print single reports in the full client.

Application Studio WebServices 10.0

1 **Multiple Reports within one Web session.** Now you can open several reports within one Web session. The integration into portals is much stronger; we reach a better performance and scalability in portal solutions.

2 **New DirectLink parameters**The DirektLink parameters have been expanded by these parameters:

- Extended Log-on Parameters, e.g. for OA Provider, BPA provider
- Show report tree
- Show title bar
- Error page (url)
- Regional settings (de, en-us...)
- Report frame ID (target frame for the report)
- Suppress session timeout
- Log off
- End report frame

3 **Chart Transparency in the Web** Transparent charts and other transparent objects are now supported by Application Studio WebServices. NOTE: If you place a button behind a transparent object it will not be accessible in the Web.

4 **Free object positioning in the Web** Cell Objects that were not fully aligned to spreadsheet cells looked different in the Web than in the full client. This has been fixed. You may now arrange objects freely now, and they will look the same in the Web and in the full client.

5 **Folder Print Button in the Web** You may now specify, whether to show the Folder Print button in the Web.

6 **List Object Properties** The following list object properties are now supported by Application Studio WebServices: for combo boxes and list boxes all properties are supported except arrow color and background color of the background button, and except for the border type.

Office Plus 10.0

Office Plus is a new product which integrates the former MIS Alea Excel Integration and MIS Plain into one. A new menu and toolbar strucuture offers access to the tool kits of both products. It is possible to save all kinds of reports - adhoc reports and formula reports - locally and into the shared repository.

Alea views of version 5.2 or lower can be opened in Office Plus without any conversion. In Office Plus 'Alea views' are called 'Alea ad-hoc reports' to match the new report management concept. Former Plain 5.n repositories can be used by Office Plus after conversion with the Office Plus Conversion Wizard. Plain 'ad-hoc reports' are still called 'ad-hoc reports' in Office Plus. The formula reports of Alea Excel Integration and Plain can be used in Office Plus without any conversion.

The document 'Migration to Office Plus 10.doc' contains a detailed description of how existing users can migrate to the new Office Plus 10. This document is located in the root directory of the Infor PM BSA DVD.

Besides the integration the tool kit has been extended by new features and improvements:

Infor PM BPA Support Office Plus supports Infor PM BPA as multidimensional provider.

Search Function in List Designer The List Designer (former MIS Plain 5.2 List Designer) contains a search function now which enables the users to easily find elements in the structure selection.

Conversion of Ad-Hoc Reports to Value reports It is now possible to convert ad-hoc reports to excel sheets that contain values instead of formulas. Such value reports can be used for distribution to non-Office Plus users.

Improvements in modeling user interface The user interface of the modelling dialogs of Office Plus (former Alea Excel Integration) has been improved by several means. E.g. the selection of attribute tables in the Dimension Browser is similar to the selection in the Dimension Editor.

Excel 2007 Support Office Plus supports Excel 2007 SP1. The menu structure of Office Plus is integrated into the ribbons of Excel 2007.

New Rules FunctionsDE.LEAFCHILDRENCOUNT(Dimension, Element) Returns the number of base children of a specified parent.

DE.DESCENDANTSCOUNT(Dimension, Element) Returns the recursive number of children of a specified parent.

DE.LEAFDESCENDANTSCOUNT(Dimension, Element) Returns the recursive number of base children of a specified parent.

DE.ISDESCENDANT(Dimension, RootElement, TestedElement) Returns 'True', if the second specified element is a descendant of the first specified element.

Regional Setting Dependant Attributes The date format in the attribute date fields now follows the date format defined in the regional settings.

Improved behavior of attribute values - Regional settings related The attributes field types now are depending on their regional settings and you get an error message if the entry do not fit to the setting

Improved attribute table selection in dimension editor The selection of attribute tables in the dimension editor changed to the way users are used to work with it in the dimension browser.

Error message if the repository is outdated A proper error message now appears if there is an outdated repository schema.

Enhanced element handling in dimension editor In the context menu of each element you have now the option 'Jump to parent'. Parent elements are listed in the dialog.There are two new buttons 'Up' and 'Down' which you can use to move elements.

Resizable column width in dimension editor Now the description of the attribute field will be shown completely by default. If there is an attribute entry which is longer than the description, then the longest attribute value will be shown now.

Defining an attribute column as default The last entry in 'Search in:' option will be saved as your default now.You have the possibility to choose [All] in dialog 'Search in'. Then you are able to search over the elements and the current attribute table.

Limited fields for Name and Description Now the dialogs do not allow more characters to be keyed in than can be saved.

Attribute Column Width in dimension browser We implemented a button now, so it is unambiguous that the column width is reset to its default value.

Disabled rules dialog for access cubes ('TABACC's, 'DAC's, 'MDAC's) On 'Table Access Control' cubes, 'Dimension Access Control' and 'Multi Dimensional' cubes the possibility to define a rule have been disabled.

Resizable dialogs are identifiable We implemented a symbol in the very right corner of each resizable dialog in the Infor PM Office Plus as used widely with Windows applications. Now it should be clear for all users that those dialogs are resizable.

In the description field of a dimension you are able to enter 63 characters.

If you have created subsets while creating a dataworld and saved that subset, you get prompted again to save it if you left the subset dilaog via OK button.

It is now possible to edit attribute values with permissions 'Edit Dimension' or 'Write Values'. This applies to Infor PM Office Plus, VB(A) functions and worksheet functions (e.g. AT.GET()).

The Infor PM Office Plus toolbar is not active when it will be started via VBA (Workbooks.Open). Starting from version 5.2.2 and 10.0.0 you can use following ini-key in mdsex.ini to disable the toolbar checks: [SETTINGS]

DisableToolbarCheck=1

In dimension editor you have the same functionality with tab key like with indent right button, that means if an element is marked and you use the tab key it will be a child of the element on top.

For MDACs the toolbar buttons regarding rights were reduced to "Read", "Write", "Default". The right "None" is no longer displayed.

Marking elements in the dimension browser supports active scrolling mode now, that means scrolling fast, slow, none according to mouse position.

The edit button was disabled for subsets. The delete button is enabled for private subsets and data worlds all the time.

The cell notes dialog is resizable now.

'Auto Pivoting' option has been removed

Improved rules and accelerator references with a preview option now

Designer 10.0

- Connector filter definitions
- Support of ODBO Dimension Types
- Support of ODBO Level Names
- Support of ODBO Default Member
- Support of ODBO Caption Attribute Fields
- Support of ODBO Member Keys
- Support of Multi Data Access Cubes with different scenarios
- Sql Server 2005 support
- Oracle support
- Script to create Designer databases
- Vista readiness
- Integration into Infor PM BPA
- Infor branding
- Usability and application improvements
- Linked dimension and cubes
- Integrated setup
- Filter roles in Dimension Editor

OLAP 10.0

- **One common Infor PM Administration** We have new one central administration console for the Infor PM BSA 10.
- **Start and End date for users and groups in User Management** An optional start and end date was added to the user specific settings.
- **Individual password security settings for users** We have implemented individual password security settings.

- **New MDX functions** Abs, ^, Median, Mode, Descendants(<set>,...), LinRegSlope, Standardize, StdevP, LinRegPoint, SplashValue (Mode 5 - "Weighted or equal"), ORDER (When using ASC or DESC flags in MDX function ORDER only sets with tuples with one member could be used. Now tuples with multiple members can be used)
- New ODBO dimension property MEMBER_WEIGHT, which returns the factor of an element.
- **Limit the number of online backups** There is a new entry in the Infor PM Administration console called 'Maximum Backup Number', which limits the number of backups.
- **Administer databases on remote servers** Now it is possible to create a database on a remote computer via the Infor PM Administration console.
- **Increased number of dimension elements** Now there can be up to 1.000.000 elements in each dimension. In this context the file format had to be changed.
- **Update roles through the administration console window** There is a new console command 'upcos'. This updates the role information from the repository. This command can also be executed via Alea command file.
- **Infor Branding** Our software has been completely rebranded.
- **Registered databases** The number of database that can be registered per server has increased from 32 to 128.
- MS Vista support
- **New rules functions** OpeningPeriod ('dimension name', 'element name', distance_from_root) ClosingPeriod ('dimension name', 'element name', distance_from_root) The rules return an element name depending on the parameters. For example 2007 *Q12007 **Jan2007 **Feb2007 **Mar2007 …… *Q42007 **Dec2007 ClosingPeriod ('time', 'Feb2007', 0) returns 'Dec2007' if 2007 is the root element and 'Dec2007' is last base descendant of element '2007' DE.HSIBLING(<dimension name>, <element name>, <MDX level>, <Offset>) Function returns name of element on the same MDX* level as the <element name> that have the same predecessor at specified <MDX level> and is <Offset> elements away from specified element.
- **New API function UserCurrentGroups** This function allows you to get all assigned roles of the currently connected user. UserCurrentGroups(sServer As String, asGroups() As String) Input: sServer Output: asGroups - Array will be filled with Alea roles, user belongs to Function returns True or Error Implemented also VBS friendly variant: Function UserCurrentGroups_VBS(sServer As String, asGroups)
- **New location for configuration files** There is now one location, which can be set by the system administrator, for the following files.

1 · Alea.ini

1 · Mdsex.ini

1 · Config.xml

These are the new default location folders: [ALLUSERS]\Application Data\Infor\PM\OLAP\Alea.ini [CURRENTUSER]\Application Data\Infor\PM\OLAP\mdsex.ini [CURRENTUSER]\Application Data\Infor\PM\OLAP\Config.xml INI-file location in registry on 64bit windows The 64 bit version of OLAP server reads alea.ini location from three locations in registry in this order (first found configuration is used - otherwise alea.ini is opened from default location): HKEY_CURRENT_USER\Software\MIS AG\Alea\alea.ini HKEY_LOCAL_MACHINE\Software\MIS AG\Alea\alea.ini (32bit application is redirected to HKEY_LOCAL_MACHINE\Wow6432Node\Software\MIS AG\Alea\alea.ini) HKEY_LOCAL_MACHINE\Wow6432Node\Software\MIS AG\Alea\alea.ini (does not exist on 32bit

systems) Note: It is possible that Wow6432Node can be inaccessible or it can be renamed on some versions of 64bit windows or some of their future service packs.

- **Improved performance for MDX Filter functions** To improve the performance of the filter function a group of new functions are available. Functions «Set»

  FilterEQ

  («Set», {«Numeric Expression» | «String Expression»}[, «

  Tuple

  »]) «Set»

  FilterGE

  («Set», {«Numeric Expression» | «String Expression»}[, «

  Tuple

  »]) «Set»

  FilterGT

  («Set», {«Numeric Expression» | «String Expression»}[, «

  Tuple

  »]) «Set»

  FilterLE

  («Set», {«Numeric Expression» | «String Expression»}[, «

  Tuple

  »]) «Set»

  FilterLT

  («Set», {«Numeric Expression» | «String Expression»}[, «

  Tuple

  »]) «Set»

  FilterNE

  («Set», {«Numeric Expression» | «String Expression»}[, «

  Tuple

  »]) «Set»

  FilterNS

  («Set»[, «

  Tuple

  »]) «Set»

  FilterZS

  («Set»[, «

  Tuple

  »]) where the 2 characters long postfix is an abbreviation for the search condition. EQ means 'equal' GE means 'greater than or equal to' GT means 'greater than' LE means 'less than or equal to' LT means 'less than' NE means 'not equal to' NS means 'null suppression', i.e values different from #N/A ZS means 'zero suppression', i.e. values different from #N/A and 0.0 (resp. empty string) There

are 2 restrictions for these functions: the input set, which is filtered, can contain only Alea native members from one dimension the search condition is simplified to a comparison with a numeric or string expression

Repository 10.0

1. **Rebranding** 'MIS Common Object Store' or 'MIS COS' is now called 'Infor PM Repository'. 'MIS Common Object Store Administration' MMC snap-in is now called 'Infor PM Repositories Administration'.
2. **Vista readiness** Infor PM BSA Repository runs on Microsoft® Windows Vista.
3. **Authentication provider for Infor Open Architecture Framework (OA)** A new authentication provider for Infor OA is available. It is a base component used by many Infor pruducts like Warehouse Management System. The OA provides storage of users, groups, roles, permissions and other basic functionality. It is developed in Java. The provider can be activated directly in the Repository > Authentication Provider Settings.
4. **List of User Security Settings** The password settings for basic users can be shown in an overview, using the 'List of User Security Settings' button in the 'User Management' dialog.
5. **Mis.DWCore.Configurator** The Mis.DWCore.Configurator.exe command line tool can now read exported registration files (.reg) and import them to the computer registration (default location of the computer registration is 'C:\Documents and Settings\All Users\Application Data\Infor\PM\DWCore').
6. **User Security Settings** The user security settings (password restrictions, account expiration) can be set individually for each basic user account.
7. **User Account Expiration** Basic user accounts can now expire. These accounts can be enabled/disbaled by setting the start and end dates of the validity period.

Changed Functionality

Application Studio 10.0.1

The 'Report Wizard' and the 'Edit OLAP Formula' dialog have been improved to show elements with their caption names instead of unique names.

Application Studio 10.0

1. The error handling of reports has been changed. Error messages that are caused by invalid lists are no longer shown in Report View. Instead the whole report will be drawn except the invalid lists. To see the error messages that come from invalid lists, open the report in Quick View. This behavior has been changed to enable the creation of dynamic reports where invalid states of a list might occur, without destroying the whole report.
2. When writing back values to aggregated CELLGET cells, the Splasher dialog opens.

3 The 'Style reports' that have been introduced with onVision 5.2 have been renamed to 'Style sheets' to distinguish them from the new 'Report Templates'.

4 The Check-in/check-out behavior has been changed. Application Studio now uses the check-in/check-out intelligence of the repository to improve the performance of these actions. This can lead to some differences in the behavior of the recursive check-in.

OLAP 10.0

1 The 'LogIPAddress' ini-key will be removed from 'DB.ini' file and hard-coded to 'YES' in the OLAP server. So the 'Aleapr.txt' now always contains the user's IP address. This change was due to the 'CellToSQL' feature.

2 The range of valid entries for calculation block which could be set in the Alea Administration Console was changed from <1e3, 1e30> to <1e1, 1e100> and can now be set in Infor PM Administration.

3 If a corrupt model was loaded, Excel integration crashed. Now, during startup of the OLAP server, all cubes are checked and a message similar to the following is written to Aleapr.txt: 'Jan/24/2007 14:50:53,357 SERVER: Error >> The number of dimensions for hypercube TRIGGER is invalid.' These cubes will no longer be added to the list of cubes and therefore users cannot double-click on them and Excel won't crash.

4 If a database is saved with a newer version of OLAP Server (for example Infor PM 10) and then an attempt is made to start with version MIS Alea 5.2, the user will be informed that this is not possible.

5 If a user has to change his password in the Infor PM Administration console he first has to confirm the old one.

6 The dialog 'Access Rights' in the Infor PM Administration console and in Infor PM Office Plus are identical now. The explanations were improved to be clearer for the users.

7 Writing on a consolidated element (C element) Imagine you uses DACs and MDACs to control the rights of users to write into cells. Now you want to use the EventAgent with a trigger on a C-Element to splash values. The corresponding pushrule is executed even though the user has no rights to write in the cell. So, a new 'db.ini' key 'CheckRightsOnC' (section INIT) has been implemented. DB.INI: [INIT] CheckRightsOnC=YES,NO (Default is NO) If it is 'YES' then during event generation (but only if the event is generated for 'error 6' (KE_BADTYPE)) an additional test for user rights is made. If the result of this test is '34' (KE_NO_RIGHTS) then '34' is added to the event instead of error '6'. Otherwise 'error 6' remains there.

8 **'Every SSO User' Group is now Visible by Default** While the default setting in COS 5.2 was to hide system users (option on node MIS COS Administration 5.2), in Infor PM Administration you will now see the 'Every SSO User' group. Please note that every new user is automatically included in this group with the ViewRole which allows him connect to OLAP databases.

9 **Versioned cubes and writing values** The performance has been improved for the function 'DataPutValue' and 'DataPutValue2' if no other users are browsing on the cubes in which you want to write values. This optimization was not realized in multi user environments. An optimization can be done here with the functions BulkTransferBegin and BulkTransferCommit.Sample:vRet = BulkTransferBegin(mdsBulkDataPutValue) Do While (RecordLoopGetNext(False, asColumns())) Value = CDbl(asColumns(7)) vRet = DataPutValue2(sServer, sCube, 1, Value, asColumns(0), asColumns(1), asColumns(2), asColumns(3), asColumns(4), asColumns(5), asColumns(6)) Loop vRet = BulkTransferCommit(mdsBulkDataPutValue, True, ErrorLog)

10 **Inverted hierarchies in dimensions** This functionality is now in the Infor PM Administration Console, in the dimension properties dialog.

11 **Improved 'CellToSQL' feature** We implemented a new entry in the Infor PM Administration console called "SQL: Overwrite 'Definition of thehypercubes'". This key is used only if 'CellToSQL' is enabled. If this is set to Yes, 'CellToSQL' enables full logging. i.e. it overwrites the other settings that control writing of 'Alealog.txt'.

12 The following entries in db.ini are obsolete: db.ini/INIT/FilterCache db.ini/INIT/SAPHierarchyPrefix db.ini/INIT/OldRulesEditor db.ini/MEMORY/CheckTables db.ini/MEMORY/DimensionPage db.ini/MEMORY/StringPage db.ini/MEMORY/UseTrefIndices db.ini/MEMORY/AnswerSize db.ini/INIT/UserFunctionCompatibility

13 Cubes shown in the Infor PM Administration Console will no longer be loaded automatically if it is not necessary.

14 The Certificate to sign our components will be issued to Infor Global Solutions Darmstadt.

15 The performance of imports has been improved again after the implementation of the new functionality of versioned cubes.

16 The cache destroy behavior for versioned cubes has been optimized.

17 The performance of the VBA function 'ElementsGetArray' has been improved.

18 The error message "Connection to server 'Local/XYZ' cut not be cut off." has been removed. This message appeared when a user was already disconnected.

19 The MDX functions 'WriteValue', 'SplashValue' and 'WriteComment' accept incomplete tuples now. These functions accept tuples with members from all dimensions specified. They will also accept incomplete tuples. When member from some dimension are not specified, the default elements will be used. If no default element is set, the first element of the dimension will be used.

20 Some minor improvements in the Tutor files 'Import.xls', 'editfor.xls' and 'Attrib.xls'. Additionally all Tutor databases now have the country extension, e.g. Tutor_DE or Tutor_EN. This reduces possible error messages concerning the demo Excel files mentioned above and the old server name 'Local/Tutor' for different languages in these files.

21 The 'Every SSO Group' is now shown in Infor PM Administration by default.

22 Captions in the ODBO/XMLA-provider can be configured. XML Tag is like this: <Alea:MemberCaption AttribTableID="<attr tab id>" FieldName="<attribute column name"/> Sample <Alea:Properties xmlns:Alea="http://www.Infor.com"> <Alea:MemberCaption AttribTableID="1" FieldName="cap"/> </Alea:Properties>

23 Now it is possible to work with an attribute table in the Dimension Edit Dialog if the dialog is started by VBA.

24 The Function UserChangePassword in the VB-API is obsolete. Use UserChangePasswordEx instead.

Repository 10.0

- **Rebranding Report Catalog Types** The names of the Report Catalog Types have changed. 'onVision' is now 'Application Studio' and 'Plain' is 'OfficePlus'.
- **Group 'Every SSO User'** The group 'Every SSO User' is listed by default.
- **Default Locations of the Configuration Files** The default locations of the configuration files have changed. The new locations are 'C:\Documents and Settings\%USER_NAME%\Application Data\Infor\PM\DWCore' and 'C:\Documents and Settings\All Users\Application

Data\Infor\PM\DWCore'. The new default locations are not used if the locations from version 5.x already exist.

- **Spaces are trimmed in OLAP Role Names** All spaces in the role names for 'Infor PM Olap' are trimmed after clicking 'Ok' in the 'New OLAP Role' dialog.
- **Column Width after re-ordering** In the 'Text Elements' dialog the width of the columns is preserved when re-ordering the values

Fixed Issues

Application Studio 10.0.2

1. Application Studio crashed on an operating system with Turkish regional settings.
2. Several issues have been fixed in the Application Studio Conversion Wizard.
3. When renaming report objects, global lists that are used in the objects would be renamed, too.
4. It was not possible to use several parallel hierarchies of the same dimension in a filter's data area
5. Editing scripts in the Scripting Editor would let Application Studio crash. We use a new Scripting Editor component, now.
6. In cells with long text the text was truncated in web, when that cell contained an action.
7. The global variable _CurrentRole didn't show inherited roles.

Office Plus 10.0.2

1. Certain Plain 1.2 views did not work in Office Plus.
2. Writing back values to Infor PM BPA did not work.
3. Excel crashed when processing large amounts of data.
4. The toolbar icons disappeared in specific circumstances.
5. Several issues with the Keep Elements function.
6. When converting an ad-hoc report into a formula report multiple selections in the slice dimension were lost. Now MMEMBER.CNAME functions will be created automatically for such dimensions.
7. Nesting several dimension in a crossjoin was not possible when browsing on Infor PM BPA.
8. When starting Office Plus the left-docked and right-docked panes were displayed. Office Plus now starts with the last pane status.

Office Plus 10.0

1. The search dialog closed in dimension browser if no elements were found. Now the dialog will stay to be able to define a new search.
2. The column attribute separator in the dimension browser were missing under certain circumstances.

3. If you wanted to delete an accelerator the question "Do you want to delete this rule?" appeared. Now the question is correct: "Do you want to delete this accelerator?"
4. The MS Excel integration crashed when you selected "Keep elements" in an Alea view and then "Formula View".
5. When you copied an empty cell with 'Ctrl-C', pressed 'tab' and then 'F2' for inserting this empty value you could have got an macro error.
6. Under rare circumstances the drag and drop functionality for dimensions in an Alea view did not work.
7. In an Alea view the name of the column dimension could have been empty if the button was too narrow.
8. Importing multi-lines rules from a text file did not work properly.
9. When you resized the dialog 'Process Data' the dimension list and the scrollbar did not behave as expected.
10. In dialog 'Define View' with a big number of dimensions it could happen that after some drag and drop activities a dimensions appeared more than once.
11. In the dimension editor the flat view property couldn't be changed after the dimension was created.
12. If you switched to flat view in the dimension browser, sorted and drilled down the same element was displayed too many times.
13. If there are more than 256 roles (Excel column limit) in an Access cube the dialog 'Define View' will be opened automatically.
14. The option 'Show all child elements in the Browser when expanding consolidated elements' did not work properly for inverted dimensions.
15. Under certain circumstances a dimension was shown multiple times while drag and drop it between columns, rows and header position.
16. The function 'DE.ADD' on a second excel sheet was executed when an import loop ended on another excel sheet.
17. An quick import did not work when the element name included a '%' character.
18. When you exported data from a cube in dialog process data and then imported them again the captions of the dimensions were not assigned correctly.
19. Importing data from a text file via the dialog 'Process data' often caused an error message due to the fact that text files often contain a <CR><LF> at their end. This empty line will no longer processed.

OLAP 10.0

1. In the Alea Administration console, attribute tables in the dimension editor could not be selected.
2. You received the error messsage 'Impossible operation. Error in parsing xml' when you splashed values in a cube that contained special characters in dimension names like '&'.
3. In 'Edit Event Filters' dialog in the Alea Administration some access keys did not work properly. Additionally the usage of the tab key was improved.
4. In some cases the Alea Administration Console did not remember the location of the user when the application was closed.
5. The Alea server could not be started by the Communication Manager if there was the entry 'ASO' in Alea.ini at the third place of a database option (e.g. DB1=Tutor,A,ASO).

6 The Alea server crashed when you were browsing in dimensions or cubes with MIS Import Master.

7 When registering a database in the Alea Administration console and the option 'Remember user name and password' was selected, you had to log-on anyway when you stopped and restarted the database.

8 Values calculated by a 'Stet' rule on a consolidated element were not aggregated correctly using new rules engine (accelerators are turned off). Rule defined "children" of this consolidation were not added to the consolidated value.

9 Using function 'PutCellSuppressError' did not suppress all error messages when values were imported from a text file to consolidated cells.

10 If you opened an attribute driven subset in the Alea Administration console and the result set was empty, all elements were shown.

11 VBA function 'ElementDialogBoxMulti' did not work correctly.

12 Feature 'Communication Managers for server registration' did not work.

13 Connected users were not disconnected when a local server was put to reservation mode.

14 If you entered in the function 'DataareaDefine' a data world whose name was longer than 8 characters then the application that called this function crashed.

15 When using the new rules engine, the DB rule function that was using current member reference (!dimension) for more than one dimension could lead to a crash when you have changed an element in an Alea view.

16 Values written by using function 'DataAreaSetValue(Null)' were not logged with 'CellToSQL' feature.

17 If an MDF with the target name already exists in the SQL Server DATA folder, an appropriate error message now appears.

18 You cannot delete the last user (or group) which contains the last 'Administer Repository' permission.

19 The history dialog always jumped to the top of the list after selecting a checkbox.

20 When you searched for 'Users/Groups' in the 'Windows Authentication Members' dialog there was no wait cursor.

21 If the Event Agent tried to connect to a database whose name contained the string 'local' is was replaced by the hostname of the Alea server. Now the Event Agent replaces 'local' only if the server name starts with 'local'.

22 In some cases you got different results for rule calculated values on accelerated cubes.

23 A data import was interrupted with an error message when a backup of the database started during the import. Now after a certain time the import will be restarted.

24 When you used an incorrect DBSET formula the Event Agent could lead to a fatal error.

25 The function tableimport were not able to import values when the dimensionname contained the character '%'.

26 The VB Function 'SubsetDefineDlgEx' did not change a public subset to a private subset.

27 When using the VB function 'ExportDataareaToFile' all elements of a dimension were exported if you used an attribute driven dynamic subset which did not contain elements.

28 Using constant parameters in rules function GET ATTR in some cases caused incorrect results. This only occured in the new rules engine.

Repository 10.0

1. **Open new MMC Snap-in window** While working with the administration console it was not possible to open a new window of the MMC snap-in.
2. **Buttons reachable in 'User Management' dialog** In the 'User Management' dialog, two buttons 'Search' and 'Reset' were inaccessible in some situations. Now they can be accessed with a scrollbar.
3. **Correct Error Message** The 'Create Repository Wizard' returned an incorrect error message, if the mdf-file which should be attached, already existed in the Microsoft® SQL Server data folder.
4. **Last Bearer of 'Administer Repository' permission** It was possible to delete the last bearer of the 'Administer Repository' permission.
5. **Export of projects** In some cases, an OutOfMemoryException occurred during export of a project.
6. **Selections in 'Manage History Data' dialog** The list in 'Manage History Data' dialog no longer jumps to the top after clicking a checkbox.
7. **Log on with LDAP group** It was not possible to log on as LDAP user, when only an LDAP group (to which the user belonged) was registered.
8. **'&' in Group Names** It was not possible to use the character '&' in group names.